

August 30, 2022

Ms. Margaret Durham
Facilities Manager
Delsea Regional High School District
Fries Mill Road
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – August 2022 Delsea Middle School Epic Project No. 22-3182

Dear Ms. Durham:

Epic Environmental Services, LLC (Epic) was retained by the Delsea Regional High School District (District) to perform indoor air quality inspections for six randomly selected areas at the Delsea Middle School. The inspections consisted of visual observations and the collection of temperature/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 visual inspections and collected air samples on August 19, 2022.

Acceptable Temperature, Relative Humidity

Acceptable Indoor Temperature Range: Ideal Relative Humidity Range:

68° - 79° Fahrenheit

30-60%

The following rooms/areas were inspected:

Room A-3, Room A-12, Room B-5, Room C-4, Room C-5, Room D-9

Delsea Regional High School District Indoor Air Quality Inspection Report – August 2022 Delsea Middle School Epic Project No. 22-3182 August 30, 2022

Observations, Comments, and Recommendations

Room A-3

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within ideal range (51%). Temperature was within the acceptable range.

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

No action required at this time.

Room A-12

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within ideal range (50.6%). Temperature was within the acceptable range.

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

No action required at this time.

Room B-5

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within ideal range (55.7%). Temperature was within the acceptable range.

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

No action required at this time.

Room C-4

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within ideal range (50.3%). Temperature was within the acceptable range.

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

No action required at this time.

Room C-5

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was within ideal range (49.1%). Temperature was within the acceptable range.

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

No action required at this time.

Room D-9

No visible mold was observed.

No evidence of recent water intrusion was observed.

Relative humidity was slightly elevated (66.1%). Temperature was within the acceptable range.

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

No action required at this time.

Delsea Regional High School District Indoor Air Quality Inspection Report – August 2022 Delsea Middle School Epic Project No. 22-3182 August 30, 2022

Air Sample Results

Air samples were collected in 6 random locations throughout the school. Airborne mold spore concentrations were near or below background (outside) concentrations.

See Sample Data Summary

Conclusions

 Assure steps are taken to reduce relative humidity to a maximum of 60% during the summer cooling season. Although most mold activity is not likely to start until extended periods of 75% or higher relative humidity are experienced, it is recommended to have the goal of 60%.

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,

James Eberts President

Epic Environmental Services, LLC

James J. Ebents

Delsea Regional High School District Indoor Air Quality Inspection Report – August 2022 Delsea Middle School Epic Project No. 22-3182 August 30, 2022

Sample Data Summary

Air Sampling

Air Samples August 19, 2022

Air Sampies	August 19, 2022					
Air Sample Location	Airborne	Airborne Mold Concentrations (sp				
	Total	Individual Mold Cond	entrations			
		Basidiospores	200			
Room A-3	440	Cladosporium	80			
		Curvularia	80			
		Epicoccum	40			
		Pithomyces	40			
Room A-12	280	Basidiospores	200			
		Cladosporium	80			
		Ascospores	80			
Room B-5	2560	Aspergillus/Penicillium	80			
		Basidiospores	2200			
		Cladosporium	200			
Room C-4	660	Ascospores	80			
		Basidiospores	500			
		Cladosporium	80			
Room C-5	1980	Basidiospores	1900			
		Cladosporium	80			
Room D-9	740	Basidiospores	600			
		Cladosporium	100			
		Rust	40			
Outside	22440	Ascospores	1200			
		Aspergillus/Penicillium	300			
		Basidiospores	19100			
		Cladosporium	960			
		Curvularia	80			
		Epicoccum	200			
		Ganoderma	200			
		Myxomycetes	80			
		Rust	40			
		Cercospora	80			
		Pithomyces	80			
		Chaetoconis	80			
	1	Torula	40			

- 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 near or below background (outside) concentrations.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 788-0262

http://www.EMSt..com / cinnmicroleb@emst.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittsgrove, NJ 08318 EMSL Order: 372213415 Customer ID: EPIC82 Customer PO: 17-2068

Project ID:

Phone: (856) 205-1077

Fax: (856) 205-0413

Collected Date: 08/19/2022
Received Date: 08/22/2022
Analyzed Date: 08/25/2022

Project: Delsea Middle School TAQ

				dates by Optica						
Lab Sample Humber: Client Sample ID:	3	72213415-0001 MB-A3			72213416-0002 MS-A12	i	372213416-0003 MG-86			
Volume (L):		25			26		28 Room 86			
Sample Location:		Room A3			Room A12					
Spore Types	Raw Count	Counties	Countries* % of Total		Count/m³	% of Total	Raw Count	Countre	% of Total	
Alternaria (Ulociadium)	•	•	•	•		•	•	•		
Ascoepores		•	•	•	•	•	1	80	3.1	
Aspergillus/Pericillum	•							80	3.1	
Basidiospores	3	200	45.5	2	200	71.4	27	2200	85.9	
Bipolints++	en 🕶	•	*		•		•	•	*	
Cheetoreum++	•	•	•		•	•		*	•	
Cladosportum	•	80	18.2	1	80	28.6	3	200	7.8	
Curvularia	1	80	18.2		•	•		•	•	
Epitosocuen	10	40"	0.1	•		•		• •	•	
Fusarium++	•	•	•		•	•		•	•	
Genoderwa	• 2-	•	a enji		•	•	ag e • e esta		•	
Myxorryceles++	•	•	•	•	•	•	٠	•	•	
Personyces++	1*	40*	9.1			•			***	
Rust	•	•	•		•	•		•	•	
Scopulariopsis/Microsscus	*		*	*	* .	•	•	•	•	
Stachybotrys/Memnonialia		•	•		•	•		•	•	
Unidentifiable Spores	•	•	•		•	*			•	
Zygonnyostes	•	•	•			•		•	•	
Cerocapora++						* * * * * * * * * * * * * * * * * * * *	*	•	•	
Cheetoconis	4	•	•		•	•		•	•	
Tonda++	•		•		•				***	
Total Fungi	7	440	100	3	200	100	32	2600	100	
Hyphal Fragment	3	200		*	•	*		•		
Insect Fragment	•				•	•			•	
Pollen	• .	•	•			•	•		*	
Analyt. Sensitivity 600x	•	80	•		80	•	٠	80	•	
Analyt. Semilinity 300x	•	40*			40*	•		40*	•	
Skin Fragments (1-4)	•	2			3	•		2	*	
Fibrous Particulate (1-4)		2	₩.		1 1	•		1	•	
Background (1-5)		3	•		2	•		1	*	

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

No decemble field black was submitted with this group of samples.

Voment Fuzzolie

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

EASE, insuring a liability bushed to cond of analysis. Interpretation and use of text assuring control and use of text assuring to the import relates only to the samples condition, and may not be reproduced, security to the samples on received. Hence are generated from the fact sampling control in particular and analysis. Exhibit, Eakity, bears no responsibly for samples or enalytical medium and analysis, localizes, etc.) provided by the deart on the Charlest. Bearing and control control or newton control inputs, localizes, etc.) provided by the deart on the Charlest. Bearing and an event of the charlest control inputs. Bearing and the particular analysis of the charlest on the

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Initial report from 09/26/2022 00:30 AM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 786-0262

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

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittagrove, NJ 08318 EMSL Order: 372213415 Customer ID: EPIC82 Customer PO: 17-2068

Project ID:

Phone: (856) 205-1077

Fax: (856) 205-0413 Collected Date: 08/19/2022

Received Date: 08/22/2022 Analyzed Date: 08/25/2022

Project: Delses Middle School TAQ

Lab Eample Number: Client Semple ID: Volume (L): Sample Location:	oro-6(^{to}) Analysis of Fungst Spores & Particu 372213415-0004 MS-C4 28 Room C4			3	72213416-6066 MSC-6 26 Room C6		372213416-0006 MB-D9 26 Room D9			
Spore Types	Raw Count Country		% of Total	Raw Count	Count/m²	% of Total	Raw Count	Count/m/	% of Tot	
Alternade (Clockellum)					•		•	•	•	
Ancospores	1	80	12.1			•	•	•		
Aspengitus/Punicitium				1 Ab- 9 b						
Basidiospores	6	500	75.8	24	1900	96	8	600	81.1	
Cipclasis ↔			*	•	•	•	• •	*		
Chaetomium++	•		•	•		•	•	•		
Cladosportum	1	80	12.1	.1	80	4	3"	100*	13.6	
Curvularia	•	•	•	•	•	•	•	•	•	
Epinocum	•	•	ing selections		•	•	•			
Fusarium++	•	*	•	•	•	•	•	•	•	
Genodenne Myxomycotes++									*	
Patromyces+4		e du <u>l</u> a tie					•	r systamic.		
Rust					•		1.	40*	5.4	
Scopulariopais Afteronacus					•		•			
Stachybotrys/Memnonialla		•			•			•		
Unidentifiable Spores					. San Arria				•	
Zygomycotes						•		•		
Cerompora++			ar andre i					•		
Chectoconis					·				•	
and ordered to the Tonde++	e i sa <mark>s</mark> e i se		e i		en de 🙀	•				
Total Fungi	•	440	188	28	1900	100	12	740	100	
Hyphal Fragment	•	RG.						. •		
Insect Fragment		•	-							
Polien								. •		
Analyt. Sensitivity 600x		80	<u></u>		80	•		80	•	
Analyt. Sunultivity 300x		40*			40*	•		40*	. •	
Skin Fragments (1-4)		2			2			2	*	
Fibrous Particulate (1-4)	_				4			1		
Background (1-5)	•	2	•	l '	2	-	1	2	_	

++ Includes other spaces with similar morphology; see EMSL's fungal glassary for each specific entegory.

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

Vouet Tuzzolio

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

EEES, analysis beside because of analysis, interpretation and use of text results are the respectably of the clark. This report relates only to the samples reported above, and may not be represented, compit in full without surface approved by EEES, Euror or responsibility for sample colorism analytical methods to report relates the samples are received. Results are generated from the field increpting data (some analytical methods are understood special as the provided by the clark on the Custod's Samples are within quality curtout creates approximate operations unless otherwise and describes an electric approximate colorism and other particulates, leading to create analysis. Statement of the control of the clark of the clar

proplem analyzed by ESISL Analytical Inc. Concurrences, NJ APIA-LAP, LLC-ENLAP Assessment #100194

Industriquet from 08/26/2022 69:36 AM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077 Tel/Fax: (800) 220-3675 / (856) 786-0262

http://www.EMSL.com / cinnmicrolab@ernsl.com

Attention: James Eberts

Epic Environmental Services, LLC

80 Fork Bridge Road Pittagrove, NJ 08318 EMSL Order: 372213415 Customer ID: EPIC62 Customer PO: 17-2068

Project ID:

Phone: (856) 205-1077

Fax: (856) 205-0413

Collected Date: 08/19/2022
Received Date: 08/22/2022
Analyzed Date: 08/25/2022

Project: Deises Middle School TAQ

Test Report: Micro-S(**) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-391, ASTM D7391)

Lab Sample Humber: Client Sample ID: Volume (L): Sample Location:	3	72213415-0007 MS-OUT 25 Outside		ulates by Optical Microscopy (Methods MiCRO-307-381, ASTIR D7381)
Spore Types	Raw Count	Countries	% of Total	
Altemaris (Ulodindium)			•	
Ascospores	15	1200	63	
Aspendica Periodica	4 - 4	19100	1.3 86.1	a maga angan milipan mgi ajami di masa iying manamit mmi agala ang mina anti gi aniga manaka timomora ta mmina Tangan angan milipan mgi ajami di masa iying manamit mmi agala ang mina anti gi aniga manaka timomora ta mmina
Basidiospores	239	19100	6 Q.1	
Bipolens++ Cheetomum++	•	* * * * * * * * * * * * * * * * * * *	•	
Cladosportum	12	960	4.3	
Curvularia	1	80	0.4	
to 1994 44 or 4, and Epicocoum	2	200	0.9	
Fusarium++	-		•	
e Pilyanii a liberii al Genoderen i	2	200	0.0	
Myxomyceles++	1	80	0.4	
Pithoreyons++	\$4. 4	80	0.4	
Rust	1*	40*	0.2	
ScopulariopalsAllamencas	•	***	•	
Stachybolrys/Memnonielle	•	•	•	
Unidentifiable Spores	•		*	
Zygomycetes	•	•	•	
Carosspora++		i e e 🤲	0.4	
Chaetoconis	1	80	0.4	
Tonde++	†*	40"	0.2	
Total Fungi	281	22440	100	
Hyphal Fragment	1	80	•	
Insect Fragment	40	***	•	
Pollen Analyt. Sensitrvity 600x	1	40° 80		
Analyt. Semilivity 300x	and the state of	40*		
Skin Fragments (1-4)		1		*
Fibrous Perticulate (1-4)		•	•	
Background (1-5)		1	•	

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

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

Vount Tuggoli

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

Edd St. counteres tedality treduct to count of analysis. Interpretation and use of text executes are the responsibility of the closet. This report relates early to the assemble shows, and may not be reproduced, except in full, without extens approved by Edd St. Class. Describe respectably for surrying other (services or analytical medical invaluation). The report relates the samples as received, Records are generalised by the class of the full surrying date (service existence, sic.) previous by the class on the full surrying perfective control cultures and notified appositications, evidence control by the class of the full surrying perfective or control of the perfective or control of the perfective or control or con

Samples trudgeted by EMSL Analytical, Inc. Consentation, NJ ASNA-LAP, LLC-EMLAP Assentiated #100194

leated report form: 06/36/3092 OR 35 AM

Environmental Microbiology Chain of Custody EMSL Order Number(Lab Use Only): 3722|34|S

Westmont, NJ EMSL 107 Haddelf WAMINSON. NJ Westmont, NJ 08108 PHONE 1856) 858-4960 PH 2: 51

Company: Epic Environmental Services, LLC					EMSL-Bill to: Same Different If Bill to is Ciliated note instructions in Comments**						
Street: 1930 Brown Road				Third Party Billing requires written authorization from third party							
City/State/Zip: Newfield, NJ 08344											
Report To (Name):		Fax: 856-205-0413									
Telephone: 856-205-1077 Email Address: jeberts@epic-env.com											
Project Name/Number: Westonsh-BOE IAQ Inspection Delsea Middle School TAQ										TAQ	
Please Provide Results: Email Purchase Order: 17-2068 State Samples Taken: NJ											
Turnaround Time (TAT) Opilons' - Pleasa Check											
13 Hour											
		Culturable A									
N001 Air-O-Cell N049 BloSIS	M173 Alegro M2 M003 Burkerd	• M004 A							• M172 Ver	sa Trap	
• NO30 Micro 5	• N174 Makisnap	* 1/176 Rd				4130 Via					
		Other Micro	biole	ogy Tes	1 Coc	103					
M041 Fungal Cirec M005 Viable Fund		 Mo14 En Mo15 He 						1029 Ente	erococci al Colliorm		
	ID and Count (Speciation)	• M100 Re							ai Comonn SA Analysis	[
• NOO7 Culturable Fr		Panel Mote To		. 1 6.4					placoccus neo	formans	
M008 Culturable Fe M009 Gram Stain C				tol form Detection • M120 Histoplasma capsulatum						ulatum	
Noto Bacterial Co.	nt and ID - 3 Most	• M020 Fe		treptoco		. ~~~~		Detection	Norgen Testin		
Prominent • NOTE Bacterial Cax	ent and ID - 5 Most	- M210-21	\$ Leg	nionella L)otecti			1044 Gro	up Alergen		
Prominent	terrination in Buildings	 Mo26 Re Mo27 My 				icen	١.,	(Cal, Cog	, Cockroach, I Analytical Pri	Justrites)	
Preservation Mathod		· MUZI MIY	(4) (4)	an Pirany	513 -		, ,	7(1)01 OOC	A PRINCIPE GOT 1 TO	10 C/300	
	Cosey Eberts					******					
Name of Sampler:	ames Eberts			Signature of Sampler: (way Elects							
Sample #	Sample Locatio	n		mplo ypo	Code		Volume Area		Date/Time Collected		
<u>MS-A3</u>	Room_43		A	i C	M)30		51	819122	0925	
MS-A12	Room Al	2		<u> </u>		11			819122	0435	
MS-B5	1800m B5	<u> </u>		<u> </u>		1			819122	0945	
MS-C4	Room C4	<u> </u>			<u> </u>	1			8/19/22	0955	
<u>MS-C5</u>	Boom C5				 	}			819122	10.05	
MS-D9	Room D9				 	{ }		 	8/19/22	1030	
MS-OUT	<u>Outside</u>			<u>Y</u>	 `	* 		¥	8119122	1030	
					1				1		
Cflant Sample # (s): MS-A3-MS-OUT Total # of Samples: 7											
Relinquished (Client): Casey Enerts Date: 8/22/22 Time:											
Received (Ctient): Aut US KM WI Date: 8-22-22 Time: 1:55 mm											
Comments/Special	Instructions:										
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								(I)	/ Y/S	ł	
								\sim	•	i	



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 instemational standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

 \square INDUSTRIAL HYGIENE Accreditation Expires: November 01, 2022 ENVIRONMENTAL LEAD Accreditation Expires: November 01, 2022 ENVIRONMENTAL MICROBIOLOGY Accreditation Expires: November 01, 2022 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. Charton

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

Revision19: 09/01/2020

Date Issued: 10/31/2020