

October 3, 2018

Mr. Thomas Rambone, CEFM
Facilities Manager
Franklin Township Board of Education
3228 Coles Mill Rd.
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – September 2018
Reutter Elementary School
Epic Project No. 18-3150

Dear Mr. Rambone:

Epic Environmental Services, LLC (Epic) was retained by the Franklin Township Board of Education (District) to perform an indoor air quality inspection at the Reutter Elementary School. The investigation consisted of a visual inspection and the collection of temperature, relative humidity, and carbon dioxide data. Additionally, samples for airborne mold spores were collected in three random locations throughout the school.

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

Temperature, relative humidity, and carbon dioxide data was compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the inspection September 14, 2018.

Acceptable Temperature, Relative Humidity, and Carbon Dioxide Criteria

Acceptable Indoor Temperature Range:

68° - 79° Fahrenheit

Ideal Relative Humidity Range: 30-60%

The following rooms/areas were inspected: Room 28, Room 26, Room 24, Room 54/55, Room 50/51, Room 21, Faculty Room, Room 16, Room 12, Room 14, Room 15, Room 11, Media Center, All Purpose Room, Room 42, Room 43, Room 3, Room 1, and Room 27.

Weather the day of the inspection: clouds/drizzle, 72°, and 72% relative humidity

Franklin Township Board of Education Indoor Air Quality Inspection Report – September 2018 Reutter Elementary School Epic Project No. 18-3150 October 3, 2018

Observations, Comments, and Recommendations

Room 28

No visible mold was observed. Relative humidity was elevated (84%).

Room 26

No visible mold was observed. Relative humidity was elevated (75%).

Room 24

No visible mold was observed. Relative humidity was elevated (79%).

Room 54/55

No visible mold was observed. Relative humidity was elevated (60%).

Room 50/51

No visible mold was observed. Relative humidity was elevated (64%).

Room 21

No visible mold was observed. Relative humidity was elevated (77%).

Faculty Room

No visible mold was observed. Relative humidity was elevated (77%).

Room 16

No visible mold was observed. Relative humidity was elevated (87%).

Room 12

Visible mold was observed on coat closet doors. Relative humidity was elevated (83%). Clean mold using approved anti-fungal cleaner.

Room 14

No visible mold was observed. Relative humidity was elevated (82%).

Room 11

Visible mold was observed on coat closet doors. Relative humidity was elevated (81%). Clean mold using approved anti-fungal cleaner.

Media Center

No visible mold was observed. Relative humidity was elevated (72%). Custedions (borned week of old 2 2018

..

.. Franklin Township Board of Education Indoor Air Quality Inspection Report - September 2018 Reutter Elementary School Epic Project No. 18-3150 October 3, 2018

Observations, Comments, and Recommendations (cont)

All Purpose Room

No visible mold was observed. Relative humidity was elevated (77%).

Room 42

No visible mold was observed. Relative humidity was elevated (82%).

Room 44

No visible mold was observed. Relative humidity was elevated (77%).

Room 3

No visible mold was observed. Relative humidity was elevated (66%).

Room 1

No visible mold was observed. Relative humidity was elevated (77%).

Room 27

No visible mold was observed. Relative humidity was elevated (77%).

Air Sample Results

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

See Sample Data Summary

Franklin Township Board of Education Indoor Air Quality Inspection Report – September 2018 Reutter Elementary School Epic Project No. 18-3150 October 3, 2018

Conclusions

- Elevated humidity has resulted in very minor mold activity in the school.
- 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. Eleuts

Franklin Township Board of Education
Indoor Air Quality Inspection Report – September 2018
Reutter Elementary School
Epic Project No. 18-3150
October 3, 2018

Sample Data Summary Air Sampling

Air Samples

September 14, 2018

	All Bullipies			7.11	
	Air Sample Location Airborne Mold Concentrations (s				
Rent Pos		Total	Individual Mold Cone	entrations	
	Room 27	5,400	Aspergillus/Penicillium Basidiospores	600 4,800	
	Room 47	6,760	Aspergillus/Penicillium Basidiospores	960 5,800	
	Room 35	18,580	Ascospores Aspergillus/Penicillium Basidiospores Pithomyces	200 500 17,800 80	
	Outside by Faculty Room	81,880	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Bispora	1,400 1,400 78,600 200 200	

- 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 near or below background (outside) concentrations.



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371816112 EPIC62 18-3150

Project ID:

James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone: Fax:

(856) 205-1077

Collected:

(856) 205-0413 09/14/2018

Received:

09/14/2018

Analyzed:

09/20/2018

Franklin Twp BOE - Semi-Annual IAQ Inspection - Reutter ES Proj:

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:		71816112-0001 RES-01 25 de By Faculty F		3	371816112-002 371816112-00 RES-02 RES-03 25 25 Rm 27 Rm 16			25	003	
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Altemaria (Ulocladium)	对对对自己		SALTER OF		STATE OF STATE	2214	Selection of the select	16825 100000	SASSIBLE CARROLL	
Ascospores	17	1400	1.7	ARTON VIOLENZA IV	contag red on Print	HOLESTON TO MAKE THESE	1265FF T27FE 01415	960	14.2	
Aspergillus/Penicillium	18	1400	17	Mr. Librari	600	11.1	12 73	5800	85.8	
Basidiospores	982	78600	96	60	4800	88.9	Japanen 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18		Mediat Side	
Bipolaris++				阿宾克斯加勒	4.69-4.65	N New Addition	Here was a series	acompressors	ASTANTON PROPERTY.	
Chaetomium	er or comment ent the	and sometime without	TANKONEN EL LENGUESE	WWW.PROFESSOR	UPLEASE BALLEY AND	ers reconstruction and the	93167992562659	050000000000000000000000000000000000000	PRAY GATONI-N	
Cladosporium	2	200	0.2		LILANOS I	A PERSONAL PROPERTY.	ACTOR PROPERTY.	Enterpolit (Edition 9)	lidetietistetis =:	
Curvularia	Laborator Street, Table	charge a charge of	ACTUAL PROPERTY AND ADDRESS.	areway42 Upoped2 R	0.000000 MODEST 20	ne raketakote sain	\$450 YEAR	1947AHA1245016	SAME SAME	
Epicoccum	The Marie			理验验证证	SESCHALIFIER	PEDERAGE	STEEL STORY	Shave markets in	Pala december	
Fusarium	Construction of the Constr		powanie przesta	THE PROPERTY OF THE PARTY OF TH	emiderens englig	OS ADREGAÇÃO	THE WHITE TO THE STATE OF THE S	NOUNT THEFT	YSTWA #54C	
Ganoderma	SALSESA	200	0.2	Ten Lander Von	Super Harman	NA GAL YORK WELFIRE	NEL TANDER LESS CONT	A THE IN MAKE OF MICH.	e wasantan sene.	
Myxomycetes++	- W 1 2 HIS TOWN TO THE	e en	entra estata	TERROR PROPERTY.	androkiena elsa	PATRICIA SA	91.05 TeVANO	SELECT HOUSE	AUS, ACTOR	
Pithomyces++	组织在证明的	ET CLEAR		THE PROPERTY.	A Kathadoko	ACTURE LANGE	MESS CONTROL	Robert Medial Color	546 (100) (24) (36) (10)	
Rust	- THE REAL PROPERTY AND ADDRESS OF THE	THE PERSON AND	ne consectouser	· PRESTRACTOR STATES	STATE SECTIONS	1505 610 1127-	#25770700 AU			
Scopulariopsis/Microascus	The Let all			Mary strains	DECEMBERS	STATES AND	Briefston College		ASSESSED CONTRACTOR AS	
Stachybotrys/Memnoniella	NOT REPORTED AND THE	approximation of the second	TO HOTOTOPO TOTALISMO	OTHER PROPERTY.	The New York Control		TOTAL STREET	NEEDER FOR PAR	STATE OF THE STATE	
Unidențifiable Spores		A CHARLES	HEREIGHT IN	100 March 100 Ma	erte da sasacire	BLANCE BUILDING	PROPERTY AND INC.	SQL ARBAN SALATAR A	P21494-1-2-1-7-7-7	
Zygomycetes		NOV OTHER DES	0.1	STATE STORY	SECURIOR DESIGNATION OF THE PERSON OF THE PE	THE STATE OF THE CO	SETTO	PAGES TENS		
Bispora	Property continues and a	BO	and the second second second	SEED WITH SE	5400	100	86	6760	100	
Total Fungi	1023	8188D	100	67 **********************	2400 (1009/1740/1956)	经产品对更多的	建物的型数数	951878757575	CONTRACTOR OF	
Hyphal Fragment			HUNENEL SEE	TENTAMES.	Round 2708-647-017-9	Marriaghus Hall	1 8000 0100 01 H2000	THEOREMS MAN	- Alternative Allendary	
Insect Fragment		THE PROPERTY OF STREET	ADVISOR AND VALUE	E THE STORY STATE OF	MACAST COMMENT	MARKED POSTERN	1908年的地區	MEMOR PORT	24 35 ST 188	
Pollen		80	(President 1931)	1 10 10 20 10 10 10 10 10 10 10 10 10 10 10 10 10	80	ACCUMULATION OF STREET		80	•	
Analyt. Sensitivity 600x	e service de la compansión de la compans	and the second s	STEERS OF THE STATE	CONTRACTOR SECTION	4000	AND REAL PROPERTY.	・ 地震でも少能	40 ⁴		
Analyt, Sensitivity 300x		40		h become a second	Harrison Said Park	語の意味は自然が解析が必	CONTRACTOR CONTRACTOR	K. St. Charles St. Lands	MEDICAL DESCRIPTION PRO	
Skin Fragments (1-4)		CNEAREST TROPING	CHEST CONTROLS	WINESTWAS	可支持制CTMSAT	2003年2月1日	\$ 28.99 ES 28.00b			
Fibrous Particulate (1-4)		Commercial States	KARTALIEN	C. ACRES AND SERVED	Electric and and	NET CONTROL OF THE SECOND SECO	S. DERFERENCE WELL	ENERGY HARMAN	No. and Control of the Control of th	
Background (1-5)	-	1	-							

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The overloading is excessed that is equal to one fungal spores, structure, pollen, fiber particle or insect fragment. The Denotes particles found at 300X. The Denotes not detected. Due to method stopping rules, raw counts in excessed of 100 are extrapolated based on the percentage analyzed. EMSL meintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Samples enalyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 09/20/2018 17:43:26

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 9/20/2018 05:43:26PM

Page 1 of 2



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371816112 EPIC62 18-3150

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone: Fax:

(856) 205-1077 (856) 205-0413

Collected:

09/14/2018

Received: Analyzed: 09/14/2018 09/20/2018

Proj: Franklin Twp BOE - Semi-Annual IAQ Inspection - Reutter ES

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:		71816112-0004 RES-04 25 rary/Media Cen			
Spore Types	Raw Count	Count/m³	% of Total	CONTRACTOR AND ADDRESS OF THE SECOND STATES	actions the property of the property and the transfer of the
Alternaria (Ulocladium)			The Carrier	ALCOHOLD BY AND	SALE CORP. SEA REPORT SOURCE SERVICES
Ascospores	2 211882881281	200	1.1 2.7	ALCOHOL: AND	METERSON CHARGES TO SELECT TO SELECT SELECTION
Aspergillus/Penicillium	6 222	500 17800	95.8		E-1954 125 125 127 127 127 127 127 127 127 127 127 127
Basidiospores Bipolans++				STATE OF THE OWNER OF THE STATE OF THE OWNER	
Chaetomium	expansion and an area	7.47.85.4727030.366.286.48	COSTALLS CERTAINE HERA.	The state of the s	Andrew Transport of the World Strategy Strategy
Cladosporlum	161712148				CHECKS THE COLUMN TO LET US.
Curvularia	AN HAT HAN DE TORRE TORRE	ic vice regressives and	restator to compactor	STREET, CARROLANT CONTROL STREET, STRE	西南南的地名外名为西西地名,文化 中心"经济区"是"
Epicoccum	CRIME			THE MARKS STATISTICAL SECTIONS.	And the second of the second of the second
Fusarium Ganoderma	8425718V945	ONE PASSO	ASSETTING.	PARTICIPATE PROGRAMMA PROGRAMA	现在了美国的基本公共文学工程学工程
Myxomycetes++		CONTRACTOR	ESSENCE DI LIVERINA.	Big Calife action California (Internal Section Control Control Section	T. Service Street
Pithomyces++	250 1915 P	80	0.4	The state of the s	STREET STREET,
Rust	Maria Maria Cara Cara	on as bendered Electrologic	A PLANT THE HARMS	THE STATE OF THE S	AND DESCRIPTION OF THE PARTY OF
Scopulariopsis/Microascus	file the s				
Stachybotrys/Memnoniella	METSVACE KURT	ESTATE ATTENDED	BENEFIT ALE		
Unidentifiable Spores	DESCRIPTION OF	er vicianity	STALL STATE	St. West State Street Street Street Street	indurating distributions on a section
Zygomycetes Bispora	AND THE REAL PROPERTY.	Z. P. Z.	CATTER OF THE SAME		A CANADA SA
Total Fungi	231	18580	100	The second secon	THE PROPERTY AND ADDRESS OF A PROPERTY OF A PROPERTY OF THE PR
Hyphal Fragment		80			
Insect Fragment	MENIA MEGINEANTE	CONTROL TERROR OFFITTE		表。2003年2月1日 - 100	THE STATE OF THE S
Pollen	學的產品的	80	Carte and the course	STREET, SEC. SEC. SEC. SEC. SEC. SEC. SEC. SEC.	
Analyt. Sensitivity 600x		40*		SEPTEMBER OF THE STREET, STATE OF THE STATE	SUBSTRUCTURE OF THE PARTY OF TH
Analyt. Sensitivity 300x Skin Fragments (1-4)		3	BENEVE STIEVENS	C SECONDADI CON CONTROL CONTRO	COR DO CARE & DEPARTMENT OF STATE AND ADDRESS OF ST
Fibrous Particulate (1-4)		Take 188		THE THE PERSON NAMED IN	District Control of the Control of t
Background (1-5)	THE RESERVOING THE	3			on and a result of the result

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

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

Vount Tuggolio

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection finite sequal to one fungel spore, structure, polien, fiber particle or insect fragment. *** Denotes particles found at 300X. *** Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Semples analyzed by EMSL Analytical, Inc. Chnaminson, NJ AtHA-LAP, LLC-EMLAP Lab 100194

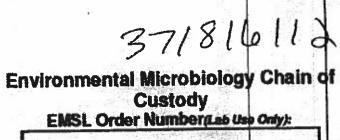
Initial report from: 09/20/2018 17:43:26

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 9/20/2018 05:43:26PM

Page 2 of 2

OrderID: 371816112





		and the same of th	Name of the last		57	GLASS SAN
Company: Epic En	vironmental Services, LLC		712,370	EMBL-E	illi jo: 📉 Sen rent note instruc	nel Different form in Commerts**
Street: 1930 Brown	n Road	and the second of	Third P	erty Billing roc	uires within a	uthorization from third party
City/State/Zip: No	wfield, NJ 08344		1			ve yakan en en tiberen e
Report To (Name)	James Eberts		A STATE OF THE PARTY OF THE PAR	8 205-0413		
Telephone: 856-21	15-1077		_		rts@epicen	The state of the s
Project Name/Num	abor: Franklin Two BO	- Semi-Anı	nual IAQ	Inspection -	Route	res
Planeo Provido Re	eults: Email 🧸 Perchase	Order: 18-	3150	State San	wies Taxon:	N
13 Hour	Tilmeros 6 Hour 24 Hour Condense with EARLY Comments	and Time (TAT	1 1 1 76 14	MEN TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MODERN I SPA	Week 2 Week
	Mon Cu	itembie Air	Samples (Spore Trape		to the Section of the Section of
Stoot Air-O-Cell Stoot BioSi5 Nood Micro 5	M173 Alegro M2 M063 Burland W174 MoldSnap	Moo4 Aller Mos3 Cycl M176 Rolls	ex .	MOSZ Alle MOSZ Cyc M150 Via	lex-s	M172 Varza Trap
		Ther Microbi		t Codes		
MONT Culturable I MONT Culturable I MONT Gram State MONT Bacterial Cultural MONT Bacterial Cultural MONT Bacterial Cultural Prominent Prominent	Fungi (Speciation) Outsurable Bacteria ount and ID ~ 3 Most ount and ID ~ 5 Most interrination in Buildings	Panel More Total (More Moze Face (More Materials	Colform ribrant Filtr d Streptoco ribrant Filtr Leolorida	ocus stion) Detection ster Screen	Blaza C Detection N 120 / Detection 1833-4 18044 C (Cat, C	Stropherer capsulature on S Allergen Teating troup Afergen Jog, Cookreach, Dustrikes) See Analytical Price Guide
Name of Samplers	James Eberts		Signal	urp of Sample		DeterTime Collected
Sample #	Sample Location		Type		(Value of the	THE RESIDENCE OF THE PROPERTY
RES-01	Outside by Facult	y Rm	Air	14030	354	914118 0748
862-07	RMA7		- A		251	0807
RES-03	Rm 16 Library / media	chr	<u> </u>	 	252	- 1 0813
RES-04	End of Samp	es:	1.1			7 - 1
Car (Alamenta)	RES-0 -	2,4	l.	otal P of Samp	dos:	(4)
Client Sample 9 (a)	1 1			914 18		
Redinquished (Client):	of your	2	Dete:	17 10 14 4	(& Time:	8:20
Comments/Spec	h i prigrantoni:	*			And the second s	



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 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 17025.2005 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
- ENVIRONMENTAL MICROBIOLOGY
 - UNIQUE SCOPES
- Accreditation Expires: September 01, 2018 Accreditation Expires: September 01, 2018
- Accreditation Expires: September 01, 2018 Accreditation Expires:
 - 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 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA-Charle G. Charten LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Un mak

William Walsh, CIH

Chairperson, Analytical Accreditation Board

Revision 15: 03/30/2016

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

Date Issued: 08/31/2016



November 2, 2018

Mr. Thomas Rambone, CEFM
Facilities Manager
Franklin Township Board of Education
3228 Coles Mill Rd.
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection and Follow-up Report Main Road Elementary School Epic Project No. 18-3150/18-4199

Dear Mr. Rambone:

Epic Environmental Services, LLC (Epic) was retained by the Franklin Township Board of Education (District) to perform an indoor air quality inspection at the Main Road Elementary School. The investigation consisted of a visual inspection and the collection of temperature, relative humidity, and carbon dioxide data. Additionally, samples for airborne mold spores were collected in four random locations throughout the school.

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

Temperature, relative humidity, and carbon dioxide data was compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the inspection September 18, 2018.

Acceptable Temperature and Relative Humidity Criteria

Acceptable Indoor Temperature Range: Ideal Relative Humidity Range:

68° - 79° Fahrenheit

30-60%

The initial scope of the inspection was to include random inspections of classrooms in each hallway of the school. The scope of the inspection was expanded when mold was identified in each hallway of the school.

Visible mold was observed in the following rooms: 36, 12, 21, 17, 18, 19, 20, 22, 16, 15, 13, 14, 53, 70, 59, 57, and 66. Mold was observed on book shelves, tables, cabinets, under tables, and chairs. It is likely that mold activity is also present in additional classrooms as well.

Air samples were collected in four locations throughout the school. Airborne mold spore concentrations were near or below background (outside) concentrations. It is not likely that, on the day of the inspection, the mold activity was causing elevated airborne spore concentrations.

See Sample Data Summary

The mold activity has been triggered by significantly elevated relative humidity present in the school. Relative humidity levels ranged from 75% to 94%. The ideal high relative humidity level is 60%. Depending on conditions, mold activity can be triggered by extended periods above 75%. Several rooms had relative humidity levels above 85% (Rooms 36, 21, 17, 18, 83, 16, 92, 13, 14, 53, 70, and 57).

The District decided that the mold clean-up will be performed by school maintenance and custodial personnel. It was strongly recommended that the cleanup include all surfaces mentioned previously in the report, and should be done in every classroom, not just the rooms listed and that preferably, the clean-up should be performed by a professional company.

The District was also advised that airborne mold spore concentrations will increase during cleanup activities, and that surfaces and rags must be wetted before cleaning.

Follow-up Inspections and Sampling

Epic performed follow-up inspections and air sampling October 10, 2018. The following rooms were inspected and sampled: 4, 6, 12, 13, 16, 18, 20, 36, 53, 59, and 66.

No visible mold was observed in the rooms inspected. Mold spore concentrations in each room sampled were near or below background (outside) concentrations with the exception of Room 53. Maintenance inspected the room and identified a malfunctioning compressor in the room's air conditioner.

The air conditioner was addressed and Room 53 was resampled on October 23, 2018. Airborne mold concentrations were near or below background (outside) concentrations.

Conclusions and Recommendations

- Elevated humidity had resulted in mold activity throughout the school.
- Visible surface mold was effectively cleaned by school staff.
- 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

ames J. Eleuts

Sample Data Summary

Air Sampling

Air Samples

September 18, 2018

Air Samples	September 10, 2010				
Air Sample Location		Mold Concentrations (sp	And in case of the case of the case of the		
	Total	Individual Mold Conce	entrations		
		Aspergillus/Penicillium	1,100		
Room 12	2,480	Basidiospores	800		
	'	Cladosporium	300		
	1	Ganoderma	200		
1	ı	Pithomyces	40		
	1	Rust	40		
		Ascospores	400		
Room 18	4,360	Aspergillus/Penicillium	80		
i .		Basidiospores	3,000		
		Bipolaris	80		
		Cladosporium	400		
<u> </u>	_	Myxomycetes	400		
		Ascospores	200		
Room 59	6,780	Aspergillus/Penicillium	880		
	1	Basidiospores	4,900		
		Cladosporium	200		
		Myxomycetes	600		
		Alternaria	40		
Room 6	18,780	Ascospores	400		
	1	Aspergillus/Penicillium	700		
	1	Basidiospores	17,400		
	1	Cladosporium	80		
ig .	1	Myxomycetes	80		
		Cercospora	80		
		Alternaria	200		
Outside by Main Entrance	55,260	Ascospores	1,700		
		Aspergillus/Penicillium	1,800		
		Basidiospores	48,900		
		Cladosporium	1,700		
		Curvularia	40		
		Fusarium	200		
		Ganoderma	80		
		Pithomyces	200		
		Cercospora	200		
		Nigrospora	200		
		Pestalotia/Pestalotiopsis	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)
- 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.

Sample Data Summary Follow-up Air Sampling

Air Samples

October 10, 2018

Air Samples	OCI	ober 10, 2016	
Air Sample Location		Mold Concentrations (sp	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN
《中国》,在1988年,1988年,1988年	Total	Individual Mold Conc	entrations
		Ascospores	40
Room 4	1,540	Aspergillus/Penicillium	200
		Basidiospores	700
		Cladosporium	400
		Myxomycetes	200
		Ascospores	200
Room 6	3,860	Aspergillus/Penicillium	300
	1	Basidiospores	1,400
		Cladosporium	500
		Ganoderma	80
i		Myxomycetes	800
		Cercospora	80
		Paecilomyces-like	500
		Aspergillus/Penicillium	300
Room 12	1,040	Basidiospores	80
		Cladosporium ,	500
(h		Myxomycetes	80
		Nigrospora	80
		Ascospores	80
Room 13	600	Aspergillus/Penicillium	200
		Basidiospores	200
		Myxomycetes	80
		Unidentifiable Spores	40
		Ascospores	80
Room 16	4,700	Aspergillus/Penicillium	2,300
		Basidiospores	960
20 V2 20		Cladosporium	1,000
	1	Fusarium	40
		Ganoderma	80
		Myxomycetes	80
		Cercospora	80
		Torula-like	80
		Ascospores	500
Room 18	4,060	Aspergillus/Penicillium	600
1		Basidiospores	2,100
		Cladosporium	700
		Myxomycetes	80
· · · · · · · · · · · · · · · · · · ·		Cercospora	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)
- 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.

Tele: 856.205.1077

Sample Data Summary Follow-up Air Sampling

Air Samples

October 10, 2018

Air Samples	October 10, 2016					
Air Sample Location	Airborne	Mold Concentrations (sp	AND RESIDENCE OF THE PARTY OF T			
	Total	Individual Mold Conce	entrations			
		Ascospores	200			
Room 20	3,140	Aspergillus/Penicillium	600			
1		Basidiospores	600			
i .		Cladosporium	700			
	1	Curvularia	80			
1		Myxomycetes	800			
1		Pithomyces	80			
		Unidentifiable Spores	80			
		Ascospores	200			
Room 36	1,160	Aspergillus/Penicillium	300			
		Basidiospores ·	300			
	1	Curvularia	80			
	1	Myxomycetes	200			
		Cercospora	80			
	1	Ascospores	80			
Room 53	9,180	Aspergillus/Penicillium	7,700			
1		Basidiospores	600			
	1	Cladosporium	300			
* A * - * - * - * - * - * - * - * - * -		Myxomycetes	500			
		Ascospores	200			
Room 59	5,280	Aspergillus/Penicillium	200			
		Basidiospores	1,700			
ì	1	Cladosporium	1,800			
	J	Fusarium	80			
	1	Ganoderma	200			
		Myxomycetes	200			
		Cercospora	200			
18 200-4 C 100 100 100 100 100 100 100 100 100 1	1	Paecilomyces-like	700			
		Alternaria	80			
Room 66	10,040	Ascospores	200			
1		Aspergillus/Penicillium	1,400			
1		Basidiospores	3,000			
		Cladosporium	200			
		Curvularia	80			
		Myxomycetes	5,000			
		Cercospora	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

 | Property | Pro
- 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.

Tele: 856.205.1077

Epic Environmental Services, LLC

Sample Data Summary Follow-up Air Sampling

Air Samples

October 10, 2018

Air Sample Location	Airborne	Mold Concentrations (sp	ores/m³)
	Total	Individual Mold Conc	entrations
Outside by Main Entrance	12,640	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Epicoccum Fusarium Ganoderma Myxomycetes Acremonium-like Cercospora Chromelosporium Coelomycetes Nigrospora Pyricularia Toruia-like	600 2,200 4,700 2,700 40 300 80 200 700 700 200 40 40 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)
- 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.

Mold spore concentrations in each room sampled were near or below background (outside) concentrations with the exception of Room 53.

Tele: 856.205.1077

Epic Environmental Services, LLC

Sample Data Summary Follow-up Air Sampling

Air Samples

October 23, 2018

Air Sample Location	Airborne	Mold Concentrations (spe	ores/m³)	
	Total	Individual Mold Conce	entrations	
		Alternaria	40	
Outside by Main Entrance	10,220	Ascospores	500	
•		Aspergillus/Penicillium	2,000	
		Basidiospores	3,300	
		Cladosporium	2,000	
		Curvularia	40	
		Ganoderma	80	
		Myxomycetes	1,300	
	1	Paecilomyces-like	800	
a contract of the contract of		Pestalotia/Pestalotiopsis	80	
		Torula-like	80	
	S	Ascospores	400	
Room 53	6,840	Aspergillus/Penicillium	2,200	
		Basidiospores	2,400	
		Chaetomium	80	
		Cladosporium	1,400	
	1	Myxomycetes	200	
		Arthrinium	80	
		Torula-like	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)
- 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 concentrations were near or below background (outside) concentrations.

Tele: 856.205.1077

Epic Environmental Services, LLC



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371818419 EPIC62 18-4199

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344

Phone: Fax:

(856) 205-1077

Collected:

(856) 205-0413 10/10/2018

Received:

10/11/2018

Analyzed:

10/12/2018

Franklin Twp BOE - Main Road School Follow-Up IAQ Inspection Proj:

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:	3	71818419-0001 MRS-01 25 Room 6	·		371818419-0002 MRS-02 25 Room 4	2	3	71818419-0003 MRS-03 25 Room 12	
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulociadium)	971475550					W 11 16		•	-
Ascospores	2	200	5.2	1*	40*	2.6	-	-	-
Aspergillus/Penicillium	The 45 to 10.	300	7.8	2	200	13	4	300	28.8
Basidiospores	18	1400	36.3	9	700	45.5	1	80	7.7
Bipolaris++	#41-54E	THE MANAGEMENT		EAN - three	0 E		- 5	-	-
Chaetomium				•	and the second		-	-	-
Cladosporium	6	500	13	5	400	26	6	500	48.1
Curvularia	No.	THE THE SEA CO.		-	-	1000	3.5	. v =	-
Epicoccum	PRODECT STATE				17-51-55	The - Charles	1 1	10 m-	G (2) - 100
Fusarium		L 125 1 Toronton	er en l erer			1 - 1	-11-	-	
Ganoderma	0.50	80	2.1		F17.7	705 HE 132	RE - =	T# -	5.53
Myxomycetes++	10	800	20.7	3	200	13	1	80	7.7
Pithomyces++	The service			Profession 1			•		· -
Stachybotrys/Memnoniella	(hattenna liber mill)		•	· .	-	-	-	-	-
Unidentifiable Spores	# F-kp		ar and	\$11E	1124		-	-	-
Acremonium-like	-		-		-	-	• 77	-	-
Cercospora++	1.00	80	2.1	30 N	- 34 - 64	76 · 11		•	-
Chromelosporium++	536/6/6/100000000000000000000000000000000	Designation of the Control of the Co			-	•	-	•	-
Coelomycetes	Section .			438.			Ser -411	•	-11
Nigrospora	and a second		-	-	-	•	_1	80	7.7
Paecilomyces-like	6	500	13	建筑 化保化	-000	20 STF 300	EV OIL M	4. E .	-
Pyricularia	•		•	-	•	-	•	•	-
Torula-like	24/16/2014		Art nedd	3 N - 16	1 0 1 2	80 3	•	W	= = =
Total Fungi	48	3860	100	20	1540	100	13	1040	100
Hyphal Fragment	25 125 1	80	7	Market a second	mining different			- 1	
Insect Fragment	- 1007	0.00	-	-	-	-	-	-	-
Pollen		80					1 102	80	
Analyt. Sensitivity 600x		80	•	-	80	-		80	-
Analyt, Sensitivity 300x		40*	Francis Su	poli-	40*	10 to 10	1 1-	40*	11.3
Skin Fragments (1-4)	Notice with the state of	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	Birt Birth			Tall- les	1			_1	
Background (1-5)	-	2	-	-	2	-		2	-

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading 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. To enotes particles found at 300X. To enotes not detected. Due to method stopping rules, raw counts in exce of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 10/12/2018 10:52:56

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 10/12/2018 10:52:56AM

Page 1 of 4



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: 371818419 EPIC62

18-4199

Customer PO: Project ID:

James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone:

(856) 205-1077

Fax: Collected: (856) 205-0413 10/10/2018

Received:

10/11/2018

Analyzed:

10/12/2018

Proj: Franklin Twp BOE - Main Road School Follow-Up IAQ Inspection

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:	3	71818419-0004 MRS-04 25 Room 13		*	371818419-0008 MRS-05 25 Room 16	5	3	71818419-0000 MRS-06 25 Room 18	3
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)							CT-WEE		
Ascospores	2*	80*	13.3	1	80	1.7	6	500	12.3
Aspergillus/Penicillium	2	200	33,3	29	2300	48,9	8	600	14.8
Basidiospores	3	200	33.3	12	960	20.4	26	2100	51,7
Bipolaris++	580 PM 514 2	and office as	S IN THE REAL	BUST PER		E MERCE	= 00-1 N	-	.
Chaetomium	The state of the s		n sairann	enterpt a con-	G. reservices	5911111			•
Cladosporium	PROTECTION.			13	1000	21.3	9	700	17,2
Curvularia			-					"= -	-
Epicoccum				ORAC PERM	IN STREET	1190 - 465	. 2.		_
Fusarium			· Na Allinonia de Carlos	1*	40*	0.9	10.1		_
Ganoderma				1 1500	80	1.7	= 8- =		_
Myxomycetes++	1	80	13.3	1	80	1.7	1	80	2
Pithomyces++	Sagirant,	- 401-24536		1984	mme - solice	130 - 200	THE SELECTION	III 40 -00	11 - >
Stachybotrys/Memnoniella	10000 100	-	-	-		-	•	-	-
Unidentifiable Spores	150 1100 0	40*	6.7	2021 - B 24	H-0.E	1 to 1 to 1		-	_
Acremonium-like			-	-		-		•	_
Cercospora++	MATERIAL STATES		1 Van 1 - 100	1 1	80	1.7	1 //	80	2
Chromelosporium++	100-51	Contract Services			38.11.88.00	-	-	-	-
Coelomycetes	444-55			INSTALL	- 12 Pol.	E - 0	- 6	/ III •	_
Nigrospora		-	•	-	•		-	-	-
Paecilomyces-like	grade grade	THEE HOESE	11 1 1 2 1 2 2	this mea	TALE STATE	294 100		≡	-
Pyricularia	ASSESS ASSESSED	and the second	-	Unica	- Charles A.	25 (174)-7735	-		-
Torula-like	BELT WINES			W.S.1 = 3 :	80	1.7		10 C •	-
Total Fungi	9	600	100	60	4700	100	51	4060	100
Hyphal Fragment	3	200	March 1975	100	4100	1 certaining	1*	40*	
Insect Fragment	EXECUTE OF THE PARTY OF	COLD SCHOOL CESTAGE	ALVERY DANCE.	entertal architect	i draw will			- 11	
Pollen	CHEST CONTRACT	asimi biggira	HISTORY	MARKET - COTTACK		1.00019010	6 m - 14 c	Hitt. The	
Analyt. Sensitivity 600x	-	80	-	-	80	-		80	
Analyt. Sensitivity 300x	WHO THE STATE OF	40*		SUBTRACTION	40*	18 N 2 H 2 H		40*	
Skin Fragments (1-4)	ALM DODGE LANDER &	2		and	2	275	16	1	225
Fibrous Particulate (1-4)	Marie Control	Described.	86 LULE 1985	\$25 TO 10 SQL			96 - J.J.E.	E -1	300
Background (1-5)		2		- Sanction	1	an research masses	-	1	-

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading 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 in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability fimited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 10/12/2018 10:52:56



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID:

371818419

Customer ID: Customer PO: EPIC62 18-4199

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone:

(856) 205-1077

Fax: Collected: (856) 205-0413 10/10/2018

Received:

10/11/2018

Analyzed:

10/12/2018

Proj: Franklin Twp BOE - Main Road School Follow-Up IAQ Inspection

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:	3	71818419-0007 MRS-07 25 Room 20	7		371818419-0006 MRS-08 25 Room 36	3	3	371818419-0009 MRS-09 25 Room 53	
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)				FFE VALUE		- Files - 420	Stade -		
Ascospores	2	200	6.4	2	200	17.2	1	80	0,9
Aspergillus/Penicillium	7	600	19.1	4 5	300	25.9	96	7700	83,9
Basidiospores	8	600	19.1	4	300	25,9	7	600	6.5
Bipolaris++	BEAT SHEET		H. C. F. C. AND	Kiring	AND BEET	STARS LAW	98.77 - 0 9 =	= .	1.6
Chaetomium	CONTRACTOR OF STREET		•	S	dies Rollie Co.	11-11-11	0000 - 111		15 E
Cladosporium	9	700	22,3			Continue la	4	300	3.3
Curvularia	1	80	2.5	1	80	6.9	-	-	
Epicoccum	SPECIAL PROPERTY.	maranan		35 45 U.S.	adli je i koji		B_ 2000_F	911	H =
Fusarium		•	270 1900		-	10.00-13 (10.00)		********	_
Ganoderma	63.0 - San			BARRY TH		E -	-8 = 9	ğ va	VOE"
Myxomycetes++	10	800	25.5	3	200	17.2	6	500	5.4
Pithornyces++	1000 CHR (F	80	2.5	tori - co	Military or picture	146 36 7	-8-2-5	veliate o	
Stachybotrys/Memnoniella	re-construction transfer to	27100 2712 2712 4 3712 11 12		DATAMENT CONTROL	E-In-Al-Mark	CI PLIBE SAME	-	•	_
Unidentifiable Spores	Report Digitals	80	2.5	AND DESCRIPTION		100	. 6		
Acremonium-like	-		31 <u>-</u> 111151	-		- "	-	-	-
Cercospora++	1945 E8 14	LEATERS	Sec S-AR	\$44.1 Juli	80	6.9	E •	- Table -	-7
Chromelosporium++		200,000	-						_
Coelomycetes	ENG HIGH			W. Brander		1024 004		- E-V= 0	_
Nigrospora	act of the linear of the			TEACHORIN IN DEATH	ATTOCAL SECTION AND AND ADDRESS OF	*******	•	•	-
Paecifomyces-like	19481-148 -13	SOFT TRACE	o la receptivi	#14 - ATT	Ment Care		3 1112	_86. = 5	
Pyricularia	a a constant and a second	Garage - Walter		siste of the			_	_	•
Torula-like	使用"温泉"。	Literatura (145E-7558	State of the		1 Twite	= - ==	-70 8	
Total Fungi	39	3140	100	15	1160	100	114	9180	100
Hyphal Fragment	Wall-Spins							80	
Insect Fragment		TO BE SHOWN IN THE REAL PROPERTY.		ALCOHOLD TO STATE	errorpous (cross)	- A-ASHDERA	#G8 III - E9II -	ANTHER SERVICE	-
Pollen	MEST THE STATE	### # #####	00000 SHEET	ER - amount	San 16 - 16 - 16 - 16 - 16 - 16 - 16 - 16	Fore dive	261 = 111028V/	114.	% = . =
Analyt. Sensitivity 600x	-	80	- 1	-	80		-	80	
Analyt. Sensitivity 300x		40*		ALL CONTRACTOR	40*	o . #5- ass-	E U1111 250	40*	. =
Skin Fragments (1-4)		2	autora manutoj	Parameter Street	2	3877	_	2	
Fibrous Particulate (1-4)		CHARLES NO	STARTE A	mode som	0.54131.515		I (654 PATIENT)	Resident	
Background (1-5)	Act of the Street of the	2			2	SERVICE TEST	messenter ten	2	- 54

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overfoading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overfoaded 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 300%. *** Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains tiability limited to cost of enalysis. This report relates only to the samples reported above and may not be reproduced, except in of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 10/12/2018 10:52:56

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 10/12/2018 10:52:56AM

Page 3 of 4



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com

Order ID: Customer ID: **Customer PO:** 371818419 EPIC62 18-4199

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone:

(856) 205-1077

Fax: Collected: (856) 205-0413 10/10/2018

Received:

10/11/2018

Analyzed:

10/12/2018

Franklin Twp BOE - Main Road School Follow-Up IAQ Inspection

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:	3	71818419-0010 MRS-10 25 Room 59	1	:	371818419-001 ⁻ MRS-11 25 Room 66	ı		371818419-0013 MRS-12 25 de By Front En	
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Altemaria (Ulocladium)				SER 1772 1	80	0.8	0.35=32=		
Ascospores	2	200	3.8	3	200	2	8	600	4.7
Aspergillus/Penicillium	3	200	3.8	18	1400	13.9	27	2200	17.4
Basidiospores	21	1700	32.2	37	3000	29.9	59	4700	37.2
Bipolaris++	SECTION A	Principle.		dian-	and the	387 H	-	-	-
Chaetomium						•	-	-	-
Cladosporium	22	1800	34.1	3	200	2	34	2700	21.4
Curvularia	S. S		-	1	80	0.8	-	_	-
Epicoccum	Parks Stores					18.55 2.5	. 1° ₹	40*	0.3
Fusarium	1	80	1.5	Avenue	Allega and Allega	A SUITE TO SE	4	300	2.4
Ganoderma	3	200	3.8		E-12-11		1 1	80	0.6
Myxomycetes++	3	200	3.8	63	5000	49.8	2	200	1.6
Pithomyces++	Bering Higher			MW2-3-21		-8	"SH. Sh	=	-
Stachybotrys/Memnoniella	Page 1 Control of the State of the			340049457333 1110	TIONS.	-	-	- "	-
Unidentifiable Spores			femie registy	755 · ·	tustii yoo		(0 -≡ XI	Öss - Vo	-
Acremonium-like	CONTRACTOR LO	and the second	-		·	-	9	700	5.5
Cercospora++	2	200	3.8		80	0.8	9	700	5.5
Chromelosporium++	-	•	-	-	-	-	2	200	1.6
Coelomycetes	State of the state of	ne krajeva s		284 F 50V P	BERTH		1* ≅	40*	0.3
Nigrospora	200000000000000000000000000000000000000	6 11 Sept. 10 (10 miles)	-0- =	152001 HOLLS	-		1*	40*	0.3
Paecilomyces-like	9	700	13.3	Marie and	Recent Library	WHE - 30	= ¥8 °	-	-
Pyricularia		and issued		-		-	1*	40*	0.3
Torula-like			1 123 TAKE	Territoria	1 / / - 1 /	- 9	3*	100*	0.8
Total Fungi	66	5280	100	127	10040	100	162	12640	100
Hyphal Fragment				2	200	_ E = E	1*	40*	· -
Insect Fragment	Assessment of the second			1	80	-	-	-	
Pollen	基度 中華公司	35557411216	Section (1986)	inferences	ruj (UV auto-	and the	70 - S285-00	- E - ON -	
Analyt. Sensitivity 600x	-	80	-	•	80	-	-	80	•
Analyt. Sensitivity 300x		40*			40°	140	是一, 连到人。	40*	ues
Skin Fragments (1-4)		2	-	•	2	-	•	1	-
Fibrous Particulate (1-4)	WAS BUILDING	325E1#19E1		Mar. News	1	LE 10		ii 1	
Background (1-5)		1	1000 1000 1000	100000	4	<u>-</u>	-	1	-

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate an obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading 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 300%."." Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL meintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AlHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 10/12/2018 10:52:56

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

OrderID: 371818419

371818419



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

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

44000000000								-
Company: Epic Env	ironmental Services, LLC				BILL to: S			
Street: 1930 Brown	Road		Third I				on from third party	
City/Stato/Zip: New			A.,					7
laport To (Hama):	The second liverage and the se		Fax: 85	6-205-0413	,			7
Telephone: 858-205			Email /	ddrassje	perts@epice	enviro.com	n	7
Project Hame/Huml	A CONTRACTOR OF STREET,	OF - Main R	_	-	The second named in column 2 is not the owner, where the owner, which is not the owner, where the owner, which is not the owner, where the owner, where the owner,			7
Please Provide Res	The second name of the second na	o Order: 18-			emplos Tako			
and carried one property of the form		and time STAT				and the second of		77
I SHOW I E	Hour 7, 24 Hour	L 46 Hour	72 14	aur 9	6 HOUR	1 Wook	a 2 Vient	
'Analysis' (dorphelist' is as	contago estrado de contago en		ed in the An	-		ubject to met	lead by high team	4
	A Control of the Cont	altumble Air S		Spore Trep	Harrisonen-D	I a bits	72 Versa Trap	\dashv
 Most Ak-O-DeG Most BioSIS 	* Mirra Alegro M2 * Moos Burkerd	• Moss Cycl	* 2	, Marz	largença D yeleş e	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
• Minso Micro 8	9 MITATANGSHAD	· MT/B/Helk	The second second second second	1 M130 V	N-C-1			\dashv
and the second second	Printed and the second of the Control of the Second Control of the	Other Microbi			1 21000	Enterococc	portarion and the property of the control	and Direct
 Mo41 Fungai Direct Mo55 Viable Fung 	Examination	More Endo				Facal Colk		
• Moos Vable Fung	D and Court (Speciation)	Misoffeel	Tene G-PC	H-ERMISE	B123	MESA Anal	ysis co	2
* MOOT Culturable Fu	09	Panel #618 Total	(Philipper		I 202	Сурюних	us neodomátic	
 Moos Guturable Fu Moos Gram Stain G 		(Men	ribrario File	India	1 道器	filetoplean	R empetulation	
• M010 Bacterial Cou		WINDS FACE	A Charge of the	100	Detail	tion 38 Allerour		36
• Nors Baderial Coo	marks - News	(Life M210-215 Mace 150 Mazz laco	Tarada de Politica	labertion	10014	Group Aller	I laemiñ	3
Prominent		Moze Heer	eathernal W	er Screen	10.50	Dog Cook	pen mack, Dustrilles)	1
➤ MO13 Sevage Conf	arrivation in Buildings	MOZI Wyto	doin Analy		1 Office	E Bed Analyl	to Price Guide	-
Preservation Method	(Water):					San Francisco		
					4	1261		
Name of Sampler:	imes Eberts		Signal	Ore of Samp	in James	1.00		_
Sample 8	Bample Lecenter		Type	Code	Potentia de	Man (D)	GALLING CALINDA	4,
MR5-01	Roam 6	10 To	Air	m070	1251	10/1	018 1538	
m R5-02	ROOM	100		Security at	1 25		154	()
m K5-3	Room 12				1391		1600	2
MR5 04	Reem 13		The state of the state of		25	Ç	1608	
m R5-05	Room 16				25		1614	
m R5 -08	RUM 18			32		4	1623	
m RS-07	Room 20				1 15	L	1629	
mR - 08	Room 36		-		25	4	195	
m R5-09	Rosm 53	State of	Parket and the second		1 25	4	1631	in
MR5-10	800m 59		4	+	25/	- 1	444	
Client Sample # (a)	mR9-01 -	7/1	Ti	tal # of San	ples)		12	
	111111			0/11/18				
Relinquisted (Client)	July 1	//\	100					-
Place load (Claim)	1-10	~ (w)	Dutat	10/11/18	Time	1140	Br	
Communiz/Special	Instructions.			primer to				\neg
community observed	man year.							
								1
							**	
				-				_
Controlled Donascati - En	ionanti libriidig CIC-Bil	10 - 1 (22) 2000	. h	L				128
		Page 1 o	Pa	98				

OrderID: 371818419

371818419

Environmental Microbiology Chain of Custody EMSL Order Number(Lab (New Ordy):

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

Company: Epic En	vironmentat Services, LLC		EMSL- IF ON TO TO TO	Bill to: 🔀 Same forest note trainwite	Citterent ns in Comments**
Street: 1939 Brown	Road	Third F			orization from third party
City/State/Zip: No	witield, NJ 08244				
Report To (Name)	: James Eberts	Fax: 85	6-205-0413		
Telephone: 858-20	D5-1077	Email A	ddressjeb	erts@epicenvi	ro.com
Project Name/Nun	ther: Franklin Twp BOE – M	ain Road Scho	ol Follow-	ip AQ Inspecti	on
Please Provide Re	sults: Email Purchase Order	: 18-4199	State Sar	mples Taken: N	J
	GARCO AND MANY PARTY OF THE PAR	Mary 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	300 L. L. 100	340LB 4.4.1.V	reck
	Hon Gulliarabi	e Air Samples (Spore Trape	ā l	
Moon Ak-O-Call Moon Skall Moon Skall Moon Skall	a Minera Physicand > Miles	d Allegeria 3 Optiek 5 Helio Smart	MOSTAL MISTORY	ergenco-D detjel (Gall	Milyz Versa Trap
	Ciher M	icrobiology Tea	Codes	North Ente	7.07.47.8
MODY Culturable Mode Culturable Mode Culturable Mode Gram Statt Mode Bacterial Co Prominent Mode Bacterial Co	Disord Coated 1801 1818	4 Endotenen Analysis i Handrotten Por Gertal Castionen (Mentacare File & Fost Street File	HERMI 56 ation) cont station blackers	MOTO FOR MINISTER CON Detector MINISTER Detector MINISTER MINISTER MINISTER (GAL Dec	
Preservation Metho	THE COUNTY OF TH		3000.0		が サイン 連続し
American manager and a	The second secon		op of Sampl	Dan Y	1
Hanis of Samples: . Sample #	Simple Legitor	T Barries	Total	Folianti Airen	Dags/Time Collected
MR5-11	Ream 66	Aic	ma30	254	10/10/18 1650
mRS-12	entrice-by Front Ent			251	1 1530
	End of samples				
Client Sample & (s):		Ť	and and samp		
Relinguistica (Clien		Delen		Thons	
		Duite		Times	
Placehold (Client): Communical Specia	d instructions:		1		
	See f	-			

ntel Mindrickey COG... Eld: 2



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371819562

EPIC62 18-4199

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone:

(856) 205-1077

Fax: Collected: (856) 205-0413

Received:

10/23/2018

10/25/2018

Analyzed:

10/25/2018

Proj: Franklin Twp BOE - Main Road School Follow-Up IAQ Inspection

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:	_	71819562-0001 MRS-01 25 Ie By Main Ent		3	71819562-0002 MRS-02 25 Room 53			
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m ^a	% of Total		
Alternaria (Ulocladium)	#F 15 (80-1)	40*	0.4			ST THE PERSON		
Ascospores	6	500	4.9	5	400	5.8		
Aspergillus/Penicillium	25	2000	19.6	28	2200	32.2		
Basidiospores	41	3300	32.3	30	2400	35.1		
Bipolaris++	8157 - 815-1	START HERE		Topic and	ra littera	935 ar		
Chaetomium	Mess 45-45-13cm	- Section and The sec	-	1	80	1,2		
Cladosporium	25	2000	19.6	17	1400	20.5		
Curvularia	1.	40*	0.4	· ·	-	-		
Epicoccum	55/Q15/07	K SELECTE		\$5.42 V	Sirey - San	m80 = 3		
Fusarium	The same of the sa	A THE CONTRACTOR SHEET AND THE	**************************************		- 00 00			
Ganoderma	326 100	80	0.8	784 -	•	- 7		
Myxomycetes++	16	1300	12.7	3	200	2.9		
Pithomyces++		Est extension	1,65%.	14.7-		1 202 - Fall		
Rust	Mark Control of the C	- Land Carlotter	-	V 2000	-	-		
Scopulariopsis/Microascus	HERETON'S	ALLEY A STATE	granding.		alfadice de	· 英		
Stachybotrys/Memnoniella	as apparatually have the self-self-self-self-self-self-self-self-	25 F TO CAR THE (CS)		-		- 1		
Unidentifiable Spores	Assess to the		10 Sept - 10	ByE-/	W /\-	di.		
Zygomycetes	A STORY	0.7448		-	-	•		
Arthrinium	Billio Michigan	ALC: YES	\$6.4.UTS	1 . T	80	1.2	E 34	
Paecilomyces-like	10	800	7.8	4-50 KH: 1225	W1000000000000000000000000000000000000	•		
Pestalotia/Pestalotiopsis	13063 1893	80	0.8	TO SECURE	File State	ONS THE	712	
Torula-like		80	0.8	1	80	1.2		
Total Fungi	128	10220	100	86	6840	100		
Hyphal Fragment	7	600		1	80	•		
Insect Fragment	SERVICE COLUMN	Long to the second		金属于1 星 1	80	Dag Val	===10	
Pollen	andolatore or	Planta residente	CHAPTER DOCUMENT	11	HE COME TO COME	101		
Analyt, Sensitivity 600x		80	ETA-XVT- 04		80			
Analyt. Sensitivity 300x		40*	and the last of		40*	-		
Skin Fragments (1-4)		150	THE PERSON		2	25 a 175		
Fibrous Particulate (1-4)		C. SETTINGED	energy personal facility		1	-		
Background (1-5)		20.10	12/10/03 Add	With the	2	AMERICAN	835 D 9	(a) <u>19</u>

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

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection filmt is equal to one fungal spore, structure, pollen, fiber particle or insect tragment. ** Denotes particles found at 300X.** Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage enalyzed. EMSL maintains liability finited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Lab 100194

Initial report from: 10/26/2018 09:28:44

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 10/26/2018 09:28:44AM

Page 1 of 1



Environmental Microbiology Chain of

Custody

Military Order Number(Let Use Only):

Westmont, NJ 107 Haddon Avenus Westmont, NJ 08108 PHONE: (858) 858-4800 FAX: (856) 858-4980

Company: Epic Envi	ronmental Services, LLC	0.15	or cont in to Californ	to: Same Different d role instructions in Comments*			
Spect: 1930 Brown	Road	Third	Party Billing requ	es written auth	orization from t	hird party	
Sty/State/Zip: New	field, NJ 08344	500 N 55					
laport To (Hams):			58-205-0413				
felephone: 858-205	-1077		Addmasjeber	The real Property lies and the least of the			
Project Name Numb		ain Road Sch	ool Follow-up	AQ inspection	on		
Jesso Provide Res	ults: Email Purchase Order:	18-4199	State Same	don Takon: N	J	and special in the	
Priving Sei	Turniculai I land	500	BOOK 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Aur. 1 19		2 Week	
"Audjour perturbeted at an	Non-Guitor Die	Al- Cample		10.211			
· March Age Carlot · March Backet · Mosto March 5	> SPLFE Allogra M2 > Model > Model Photograph > Model	Allegernő Godes Helte Smad	Moss Aley Mous Oyde Milo Va-C	nid l	4 M172 Versas Trap		
* M030 Micro 5	N NOTE MODESTREE TO STREET AND ADDRESS OF THE PARTY OF TH	crobiology T					
Moor Gutherable, Fellow Moors Guthern State Co. Moors Gram State Co. Moors Bacterial Co. Francisco Moors Bacterial Co. Francisco Moors Bacterial Co. Moors Bacterial Co. Moors Bacterial	red (Secondaria) Mona Luterate Batherin rei prod (U-3 Mona	Haterphophic Real Time Ce Total Cletterp Menicary Facal Streets (Menticary Facal Streets (Menticary) Facal Streets (Haterphophic (Haterphophic (Hypothical A)	direction) control Brother) a Debumber	MINES MITE MINES COS Detaction MINES Filed Detaction MINES FILE MINES FILE MI	il Deiffern IA Analysis disposed Mock ogsåderne copelle Margen Allergen Cockniste, D Cockniste, D Analysoni Pric		
Preservation Meltical				1	12		
Name of Sampler: J	ames Eberts Sample Location	Sample	einere of Sampler Yest	Sabma Area	Date/Time	Collected	
Sample #		AV	m.cs/	252	10/23/18	1505	
mRS-01	Outside by Main Ent	141	1	254	11	1515	
mrc-0	Ful of samples						
		AUG	4				
Charlemak Pich	MRS+01 702	And in case of the last of the	Total # of Gamp	100	2		
Halloquisted (Client	Jan M.A	Coles	0/25/18	Times			
Received (Client):	OEK WI	Dates	10 /25 /18	Titems	1:10 am		
Comments Specia	d festpucilons:	O THE STATE OF THE					

Controlled Decement - Environmental Microbiology COG - SMt .5 - 11/22/2000

1

Page 1 of Pages



October 4, 2018

Mr. Thomas Rambone, CEFM
Facilities Manager
Franklin Township Board of Education
3228 Coles Mill Rd.
Franklinville, NJ 08322

RE: Indoor Air Quality Inspection Report – September 2018

Janvier Elementary School

Epic Project No. 18-3150

Dear Mr. Rambone:

Epic Environmental Services, LLC (Epic) was retained by the Franklin Township Board of Education (District) to perform an indoor air quality inspection at the Janvier Elementary School. The investigation consisted of a visual inspection and the collection of temperature, relative humidity, and carbon dioxide data. Additionally, samples for airborne mold spores were collected in four random locations throughout the school.

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

Temperature, relative humidity, and carbon dioxide data was compared to current New Jersey Indoor Air Quality and industry standards.

Epic Environmental performed the inspection September 21 and 24, 2018.

Acceptable Temperature, Relative Humidity, and Carbon Dioxide Criteria
Acceptable Indoor Temperature Range:
68° - 79° Fahrenheit

Ideal Relative Humidity Range:

30-60%

The following rooms/areas were inspected: Room 33, Room 37, Room 38, Room 34, Room 31, Room 47, Room 28, Room 27, Media Center, Room 24, Room 17, Room 21, Room 13, Room 11, Room 10, Room 6, and Room 4.

Franklin Township Board of Education Indoor Air Quality Inspection Report - September 2018 Janvier Elementary School Epic Project No. 18-3150 October 4, 2018

Observations, Comments, and Recommendations

Room 33

Slight mold inside closet and restroom door. Relative humidity was elevated (78%).

Clean mold using approved anti-fungal cleaner.

Custodians Cleaned week or och, 9, 2018

ft

11

Slight mold on restroom door, under desk under old table. Relative humidity was also a long to the state of t

Relative humidity was elevated (77%).

Clean mold using approved anti-fungal cleaner.

Dispose of old table.

Room 38

Slight mold on toy refrigerator. Relative humidity was elevated (81%).

Clean mold using approved anti-fungal cleaner.

Room 34

Mold under old table. (Lennov ed. Relative humidity was elevated (77%). Dispose of old table.

Room 31

No visible mold was observed.. Relative humidity was elevated (74%).

Room 47

Visible mold on wooden bookcase, under table, plastic toy shelf, and under teacher's desk. Relative humidity was elevated (77%). Clean mold using approved anti-fungal cleaner.

Room 28

No visible mold was observed. Relative humidity was elevated (74%).

Room 27

No visible mold was observed. Relative humidity was elevated (71%).

Media Center

No visible mold was observed. Relative humidity was elevated (78%).

Room 24

No visible mold was observed. Relative humidity was elevated (85%).

Room 17

No visible mold was observed. Relative humidity was elevated (82%).

HEALTH

. Franklin Township Board of Education Indoor Air Quality Inspection Report - September 2018 Janvier Elementary School Epic Project No. 18-3150 October 4, 2018

Observations, Comments, and Recommendations (cont)

Room 21

Slight visible mold under teacher's desk. Relative humidity was elevated (82%). Clean mold using approved anti-fungal cleaner. Custodians clopued work of oct. 9.2018

ł t

Ł

Room 13

No visible mold was observed. Relative humidity was elevated (74%).

Room 11

No visible mold was observed. Relative humidity was elevated (75%).

Slight mold on restroom door, under desk, under old table Relative humidity was elevated (76%). Clean mold using approved anti-fungal cleaner. Dispose of old table.

Room 6

No visible mold was observed. Relative humidity was elevated (74%).

Room 4

Mold under old table. Comevel Relative humidity was elevated (76%). Dispose of old table.

Air Sample Results

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

See Sample Data Summary

Franklin Township Board of Education Indoor Air Quality Inspection Report – September 2018 Janvier Elementary School Epic Project No. 18-3150 October 4, 2018

Conclusions

- Elevated humidity has resulted in minor mold activity in the school.
- 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. Eleats

Sample Data Summary

Franklin Township Board of Education Indoor Air Quality Inspection Report – September 2018 Janvier Elementary School Epic Project No. 18-3150 October 4, 2018

Sample Data Summary **Air Sampling**

Air Samples

September 24, 2018

Air Sample Location	Airborne	Mold Concentrations (s	pores/m³)
REWINDS NO.	Total	Individual Mold Con	entrations
Room 19	35,700	Ascospores Aspergillus/Penicillium Basidiospores	1,800 200 33,700
Room 47	3,040	Aspergillus/Penicillium Basidiospores Myxomycetes	1,400 1,600 40
Room 35	13,160	Ascospores Aspergillus/Penicillium Basidiospores	80 880 12,200
Outside by Mechanical Room	74,660	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Ganoderma Myxomycetes	1,800 80 71,800 300 200 480

- 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)
- 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.

Tele: 856.205.1077



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371816822 EPIC62 18-3150

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone: Fax:

(856) 205-1077

Collected:

(856) 205-0413 09/24/2018

Received: Analyzed:

09/24/2018 09/25/2018

Proj: Franklin Twp BOE - Semi Annual IAQ Inspection

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:		71816822-0001 JES-01 25 ide By Mech R		3	371816822-0002 JES-02 25 Room 19	32		71816822-0003 JES-03 25 Room 47	
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulodadium)	2011 LES 101		THE PLANE						
Ascospores	23	1800	2,4	22	1800	5 Himmery Teams	SERVICE SAMPLE	AMORPHIC TOTAL PARTY	95,6500-1000-2000
Aspergillus/Penicillium	897	80 71800	0.1 96.2	2 421	200 33700	0.6	17	1400	46.1
Basidiospores Bipolaris++	TRANSTRANS	TIBUU MARIELEMAK	90.2 (60027-7005)	945894P9893-6-6	33700 8080080248646	94.4	20	1600	52.6
Chaetomium	Waller Treatment	HISTORIAN CANADAS	25.53.544.545.545	40000000000000000000000000000000000000	GULLAND TO STATE	al traditional and the	2000年前各地区	Act of the second section	MARAMATALIZA
Cladosportum	MARINE THE NAME	300	0.4	SELECTION OF	PARTY MAKE	CARLETTERS.	STEEDS NEW T	STILL PROPERTY.	G13000000
Curvularia	taken heat their No	THE STATES	BANGALINI TANAMINI	30364 DENESTRO TORING	SENTENCH LINE WAS A SERVICE OF THE S	ALABAMAN SIRVEDA	Posterior Unit Autori	99965412e4085531546	· Commission
Epicoccum	THE BEAT					THE PERSON	THE THE PARTY	THE STATE OF THE S	SHIP ME LE
Fusarium	Loca tativeric retains our		•	CONTRACTOR OF STATE	CONTRACTOR OF THE PERSON OF TH	DE NO SCHOOL NEW YORK PO	ARRONAL DESCRIPTION OF	TIMINATANAST	MINASARS NILLON
Gânoderma	2	200	0.3						NAME OF STREET
Myxomycetes++	12*	480*	0.6	-			1*	40*	1.3
Pithomyćesi+			過過日底				PERMIS		
Rust	HERO HERO IN THE MICHINES	Mischaelu 4 Hernin	rentau cotan Akoriko.	who branton united to	nem markovensu mon	Le sentre utilità de la	DOMESTIC VALUE OF THE PARTY OF	art - Kranting at the	- nachsudabatan
Scopulariopsis/Microascus	1205.010	Edmikish	MESS START				\$15 East 15		and the
Stachybotrys/Memnoniella	BEEN TERRODORS AND	CLICY C TOWN STORE	STREET, AND THE STREET,	SECRETACIONES DE LA	Annocytope er auren	NE PERSONAL PROPERTY IN	elivatiativi sinne choro o	T KONTON NOW (A)	NOTE THE PROPERTY OF THE
Unidentifiable Spores	是引起是領勢	under hand te	Parson Mark	Coldina at 1944		No. of the last	Editor Pine	AWOLD TELES	Virial Control
Zygomycetes Total Fungi	939	NEWSTANDARD RESERVE	100	4451395		क्र श्राप्त विकास	Separation separate	instantinantasa	001077772466
Hyphal Fragment	Visit Richtle	74660	Diek 199	Task Land Selection	35700	100	38	3040	100
Insect Fragment	建設門設計		Bank 1865 1866	阿尔拉里里的		计算好名称的图念	CHARLEST PROPERTY.	SECURE OF CHECKES	HONESCHOOL STATE
Pollen	NOTE METALES (CONT.)	FERO ROM MARKETYE	Self-Renlewschiff (earmed Person to	HOLDER MEDITS AND THE	A discussioner	165 Vall Vall 1856 Call		Lil semi-drawnsyabel
Analyt: Sensitivity 600x	是是實際的政	80	ACCOUNTS.	展示的"被外域是	80	東京の東京での方式	400 AV	80	STANDARDS.
Analyt. Sensitivity 300x	ALTO PRODUCE SHOULD ALC	40*	A SATISTIC SERVINGS	AN ARMADIA STORE OF	40*	# 450 E-1250 G-040 G-1	-	40*	STREET GOVERN
Skin Fragments (1-4)	WHEN THE !	4.7			2	CONTRACTOR OF THE PARTY	AND THE PARTY		MOSPETE
Fibrous Particulate (1-4)	SEE THE PROPERTY OF STREET	We will have a finished the constraint of the co	ent Pr. sendad av chi p	CONTRACTOR DE LINES DE	1	MATERIAL STATES OF	CONTRACTOR STATE	MARK WITH STREET	MANAGEMENT OF THE PARTY OF
Background (1-5)				\$15 . No. 10	the lines	AUGUST STEEL		PER LINE	THE MESSE

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

Indlogue

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

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading 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, polien, fiber particle or insect fragment. *** Denotes particles found at 300X. *-* Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-EMLAP Leb 100194

Initial report from: 09/25/2018 12:32:31

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 9/25/2018 12:32:31PM



200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 http://www.EMSL.com / cinnmicrolab@emsl.com Order ID: Customer ID: Customer PO: 371816822 EPIC62 18-3150

Project ID:

Attn: James Eberts

Epic Environmental Services, LLC

1930 Brown Road Newfield, NJ 08344 Phone: Fax:

(856) 205-1077

Collected:

(856) 205-0413 09/24/2018

Received:

09/24/2018

Analyzed:

09/25/2018

Proj: Franklin Twp BOE - Semi Annual IAQ Inspection

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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	3	71816822-0004 JES-04 25 Room 35			FE
Spore Types	Raw Count	Count/m³	% of Total		
Alternaria (Ulocladium)	STATE SERVICE	- 80	0.6		
Ascospores Aspergillus/Penicillium	E ETTERS ET	880	6.7	CERTIFICATION OF THE PROPERTY OF	RESTORMANCE PROTORYS THE STATE OF A STATE OF
Basidiospores	153	12200	92.7	DEFICIERATION BETSTONE AND RELIEF	ATRIALISMENT CHARLES BY LANGUAGE STATE OF THE
Bipolaris++	Marchiell		SECTION SECTION	A WINTER THE SECOND STREET AND	
Chaetomium	oth more accommon	-100 -100 100 100 100 100 100 100 100 10	. AND A TOTAL OF THE SAME		
Cladosporlum	想到是沙娃	AND A SHEET TO STATE OF	economic participation of the contract of the	ACCUMANTAL STREET, MARKET STREET, ACCUMANTAL STREET, ACCUMANTAL STREET, ACCUMANTAL STREET, ACCUMANTAL STREET,	SANTA METADONICA SANTANA
Curvularia Epicoccim Fusarium				A CONTROL OF THE PROPERTY OF THE PARTY OF TH	
Ganodermä Myxomycetes++			Ber Wie		
Pithomyces++ Rust	2007E	F1-16-20000)			
Scopulariopsis/Microascus Stachybotrys/Memnoniella		·			
Unidentifiable Spores Zygomycetes					
Total Fungi Hyphal Fragment	165	13160	100		
Insect Fragment Pollen					Koren a San Transit de la companya
Analyt. Sensitivity 600x Analyt. Sensitivity 300x	MALCON	80 40*			College and American Street College
Skin Fragments (1-4) Fibrous Particulate (1-4)	HERMEN			A feet of the first of the feet of the fee	nic (2000) grafia a grafia Coloritaria
Background (1-5)	AND THE REAL		SHE THE		Dan Ballot Anna Debarat Hallan

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

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

Vuent Tuzzolio

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

Samples received in good condition unless otherwise noted. High levels of background particulate can obscure spores and other particulates, feading to underestimation. Background levels of 5 indicate an overloading 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 in excess of 100 are estrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relaties only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Lab 100194

Initial report from: 09/25/2018 12:32:31

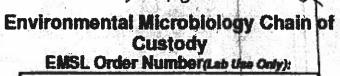
For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 9/25/2018 12:32:31PM

Page 2 of 2

OrderID: 371816822

37/8/4822





	vironmental Services, LL	Carlo Carlo		EMBL	-Bill to:	⊠ Same	Different one in Comment	14 m 14.1
Street: 1930 Brown			The state of				one in Commerk Thorization from	
City/State/Zip: No		75,000		ary carry :	oquaso i		TREE BEAT FOR	and pary
leport To (Name):			Carr 95	8-205-0413		7. 1		
olophono: 956-20	and the same of th	1 - 41 - 14	-	ddmaaje		enireny	iro com	
roject Name/Nun		OE Comi Au			-	cpicene	ii O.COIII	
Carlot Carlot Control of State of State Control of Cont	subs: Email Purcha					Takon: I	YI.	
		round Time (TA	THE RESERVE OF THE PERSON NAMED IN	-		4. 60-	11. At 17.	101
	8 Hour 24 Hour	48 Hour	第四7214	Mr. S	e Hou			2 Week
"Analysis completed in a	constance with EMSL's Terms of	un Constant has Culturable Air	discount of the last of the la	OF THE PERSON NAMED IN	THE OWNER WHEN	s and tubje	at to methodology	r hequitement
MOOT Air-O-Cell MOUS BloSIS MOOD Micro 5	M173 Alegro M2 M003 Burkerd M174 MokShap	• Maga Alle • Maga Cyc	ex Gesco	MOSE A	lergenco volex-o	0	• M172 Vers	a Trap
		Other Microb		and Market and American	a-ocn	8.4	Sala Peri	er ene lev
Prominent	und (Speciation) Dulb rable Bisclate ord and ID - 3 Most und and ID - 6 Most termination in Buildings	Meza Face (Max Max	i Costorm mbrane Filir d Streptoso mbrane Filir Legionala I restional Wa stoxin Analy	nion stion) Stection der Scenen		Detection M 120 His Detection M633-99 M644 Gre (Cat, De-	toplasma caper	deburg J Nastrritire)
tamo et Sampiers J	The second state of the se		Signet Semple	re of Samp			4	
Sample #	Semple Location		Type	Code	/	me/Area	ALL WEST TO SERVICE STATES	Collected
	Outside by the	hRN	Air	m030	1 5	54	9/14/18	07/2
JES-01		1000	781 (SELECT	S 18		54		0722
165-07	Room 19				· \			2720
165-07 165-17	Room 47		1.	Щ.	and the second		$+$ \pm $-$	0729
165-07	Room 47 Room 35	lei	<u> </u>	#_	and the second	54	4	0737
165-02 165-17	Room 47	ie .	<u> </u>	4	and the second		1	The second second
165-02 165-17	Room 47 Room 35	ы	<u> </u>	#	and the second		1	The second second
165-07 165-17	Room 47 Room 35)ন	<u> </u>		and the second			The second second
165-07 165-17	Room 47 Room 35	·된			and the second			The second second
162-17 162-11 162-05	Room 47 Robbin 35 End 04 Camp		1.0		3			The second second
JES-07 JES-14 JES-14	ROOM 47 ROOM 35 End of camp	> 04		nei 2 oi Sam	ples	54		The second second
165-02 165-17	ROOM 47 ROOM 35 End of camp	> 04			ples	5L	2:55,	The second second



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077

Laboratory ID: 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 17025:2005 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

- INDUSTRIAL HYGIENE
- ENVIRONMENTAL LEAD
 ENVIRONMENTAL MICROBIOLOGY
 - UNIQUE SCOPES

- Accreditation Expires: September 01, 2018 Accreditation Expires: September 01, 2018
- Accreditation Expires:

Accreditation Expires: September 01, 2018

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 17025:2005 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.

William Walsh, CIH

Chairperson, Analytical Accreditation Board

Revision 15: 03/30/2016

Chay of Charten

Cheryl O. Morton

Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 08/31/2016