

September 19, 2018

Mr. Robert Gomes  
Facilities Manager  
Dover Public School District  
100 Grace Street  
Dover, NJ 07801

**Re: Dover High School - Fungal (Mold) Cleaning Project**

Dear Mr. Gomes,

The mold surface cleaning project has been completed at the Dover High School. Work consisted of verifying that appropriate work techniques and safety procedures are used at the Dover High School. Inspections were performed during preparation, removal & final cleaning. Air & surface clearance sampling was used to verify conditions upon abatement completion.

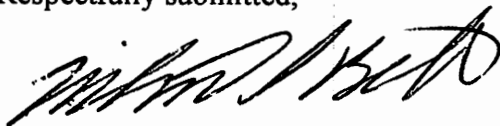
On September 4, 2018 an initial evaluation of suspect fungal growth was conducted in classrooms. Visual mold, caused by condensation was found in numerous classrooms on items such as chairs & tables. Based on the presence of visual mold, it was determined that all surfaces within the classrooms should be cleaned.

On the evening of September 5, 2018 clearance fungal air and surface samples were collected to document fungal levels that existed after fungal remediation was performed. The surface mold cleaning began very early September 5th and was completed using 2 work shifts on September 5, 2018 by SERVPRO of South West Morris County.

Based on the results of the visual inspection and testing results completed, the cleaning of the surface mold from the classrooms was successful and no recognizable hazards to students or staff were found.

If you have any questions regarding this report, please contact me at (973) 920-9061. Thank you for allowing AERO Environmental, Inc. to assist you with your Indoor Air Quality concerns.

Respectfully submitted,



Michael S. Berta, CSP, CPEA, CMC  
Environmental Safety & Health Manager

Si tiene preguntas sobre los documentos adjuntos, por favor comuníquese con el señor Gomes al 973-989-2012 o [rgomes@dover-nj.org](mailto:rgomes@dover-nj.org)

El proyecto de la limpieza del moho se ha completado en la escuela secundaria de Dover. El trabajo consistió en verificar que las técnicas de trabajo y los procedimientos de seguridad apropiados se usan en la escuela secundaria de Dover. Las inspecciones se realizaron durante la preparación, eliminación y limpieza final. Se usaron muestreos de espacio aéreo y de superficie para verificar las condiciones una vez completada la reducción.

El 4 de septiembre de 2018, se llevó a cabo una evaluación inicial del crecimiento fúngico sospechoso en las aulas. El moho visual, causado por la condensación, se encontró en numerosas clases en elementos como sillas y mesas. En base a la presencia de moho visual, se determinó que todas las superficies dentro de las aulas deben limpiarse.

En la noche del 5 de septiembre de 2018, se recogieron muestras fúngicas de aire y superficie para documentar los niveles de hongos que existían después de la remediación de hongos. La limpieza del moho de superficie comenzó muy temprano el 5 de septiembre y se completó usando 2 turnos de trabajo el 5 de septiembre de 2018 por SERVPRO de South West Morris County.

Con base en los resultados de la inspección visual y los resultados de las pruebas completados, la limpieza del moho de la superficie de las aulas fue exitosa y no se encontraron peligros reconocibles para los estudiantes o el personal.

Si tiene alguna pregunta sobre este informe, comuníquese conmigo al (973) 920-9061. Gracias por permitir que AERO Environmental, Inc. lo ayude con sus inquietudes sobre la calidad del aire interior.

Respetuosamente,  
Michael S. Berta



# EMSL Analytical, Inc.

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Order ID: 051804576  
Customer ID: AERO50  
Customer PO:  
Project ID:

**Attn:** Michael Berta  
AERO Environmental Services, Inc  
275 Route 10 East  
Suite 220-306  
Succasunna, NJ 07876

**Phone:** (973) 920-9061  
**Fax:** (973) 529-0335  
**Collected:** 09/05/2018  
**Received:** 09/06/2018  
**Analyzed:** 09/06/2018

**Proj:** Dover HS-AOC

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	051804576-0001	051804576-0002	051804576-0003	051804576-0004	051804576-0005
Client Sample ID:	A-1	A-2	A-3	A-4	A-5
Volume (L):	75	75	75	75	75
Sample Location:	RM 101	RM 103	RM 104	RM 105	RM 108
Spore Types	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	80	40	40	40	80
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	40	80	-	80	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	40	40	40	40	40
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Oidium	-	-	-	-	-
Pyricularia	-	-	-	-	-
<b>Total Fungi</b>	<b>160</b>	<b>160</b>	<b>80</b>	<b>160</b>	<b>120</b>
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Analyt. Sensitivity 600x	41	41	41	41	41
Analyt. Sensitivity 300x	13*	13*	13*	13*	13*
Skin Fragments (1-4)	1	1	1	1	1
Fibrous Particulate (1-4)	1	1	1	1	1
Background (1-5)	1	1	1	1	1

Chaiyut Sae Lao, Laboratory Manager  
or Other Approved Signatory

++ 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.

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 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. Piscataway, NJ AIHA-LAP, LLC—EMLAP Accredited #167035

Initial report from: 09/06/2018 15:09:28

For information on the fungi listed in this report please visit the Resources section at [www.emsl.com](http://www.emsl.com)



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Proj: Dover HS-AOC

### Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	051804576-0006	051804576-0007	051804576-0008	051804576-0009	051804576-0010
Client Sample ID:	A-6	A-7	A-8	A-9	A-10
Volume (L):	75	75	75	75	75
Sample Location:	RM 107	RM 110	RM 112	RM 119	RM 116
Spore Types	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	80	40	80	40	40
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	80	-	80	40	80
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	40	80	10*	80	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Oidium	-	-	-	-	-
Pyricularia	-	-	-	-	-
<b>Total Fungi</b>	<b>200</b>	<b>120</b>	<b>170</b>	<b>160</b>	<b>120</b>
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Analyt. Sensitivity 600x	41	41	41	41	41
Analyt. Sensitivity 300x	13*	13*	13*	13*	13*
Skin Fragments (1-4)	1	1	1	1	1
Fibrous Particulate (1-4)	1	1	1	1	2
Background (1-5)	1	1	1	1	1

Chaiyut Sae Lao, Laboratory Manager  
or Other Approved Signatory

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### Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	051804576-0011	051804576-0012	051804576-0013	051804576-0014	051804576-0015
Client Sample ID:	A-11	A-12	A-13	A-14	A-15
Volume (L):	75	75	75	75	75
Sample Location:	RM 121	RM 118	Room B	RM 129	RM 212
Spore Types	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	40	40	-	40	40
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	80	40	-	80
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	80	40	40	80	40
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Oidium	-	-	-	-	-
Pyricularia	-	-	-	-	-
<b>Total Fungi</b>	<b>120</b>	<b>160</b>	<b>80</b>	<b>120</b>	<b>160</b>
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Analyt. Sensitivity 600x	41	41	41	41	41
Analyt. Sensitivity 300x	13*	13*	13*	13*	13*
Skin Fragments (1-4)	1	1	1	1	1
Fibrous Particulate (1-4)	1	1	1	1	1
Background (1-5)	1	1	1	1	1

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

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Chaoyut Sae Lao, Laboratory Manager  
or Other Approved Signatory

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### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	051804576-0016	051804576-0017	051804576-0018	051804576-0019	051804576-0020
Client Sample ID:	A-16	A-17	A-18	A-19	A-20
Volume (L):	75	75	75	75	75
Sample Location:	RM 209	RM 206	RM 207	RM 205	RM 208
Spore Types	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	40	80	80	40	100
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	40	-	80	100
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	80	-	80	40	40
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Oidium	-	-	-	-	-
Pyricularia	-	-	-	-	-
<b>Total Fungi</b>	<b>120</b>	<b>120</b>	<b>160</b>	<b>160</b>	<b>240</b>
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Analyt. Sensitivity 600x	41	41	41	41	41
Analyt. Sensitivity 300x	13*	13*	13*	13*	13*
Skin Fragments (1-4)	1	1	1	1	1
Fibrous Particulate (1-4)	1	2	2	1	1
Background (1-5)	1	1	1	1	1

Chaoyut Sae Lao, Laboratory Manager  
or Other Approved Signatory

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### Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

<b>Lab Sample Number:</b>	<b>051804576-0021</b>			
<b>Client Sample ID:</b>	<b>A-21</b>			
<b>Volume (L):</b>	<b>75</b>			
<b>Sample Location:</b>	<b>Outside Front Of</b>			
<b>Spore Types</b>	<b>Count/m<sup>3</sup></b>			
Alternaria (Ulocladium)	40			
Ascospores	3300			
Aspergillus/Penicillium	80			
Basidiospores	3400			
Bipolaris++	-			
Chaetomium	-			
Cladosporium	1700			
Curvularia	100			
Epicoccum	-			
Fusarium	-			
Ganoderma	300			
Myxomycetes++	-			
Pithomyces++	40			
Rust	-			
Scopulariopsis/Microascus	-			
Stachybotrys/Memnoniella	-			
Unidentifiable Spores	-			
Zygomycetes	-			
Oidium	40			
Pyricularia	30*			
<b>Total Fungi</b>	<b>9030</b>			
Hyphal Fragment	-			
Insect Fragment	-			
Pollen	80			
Analyt. Sensitivity 600x	41			
Analyt. Sensitivity 300x	13*			
Skin Fragments (1-4)	1			
Fibrous Particulate (1-4)	1			
Background (1-5)	2			

**Chaiyut Sae Lao, Laboratory Manager  
or Other Approved Signatory**

++ 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.

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ AIHA-LAP, LLC-EMLAP Accredited #167036

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