

September 28, 2018

Adaptive Environmental Consulting of New York LLC
367 Windsor Hwy #452
New Windsor, NY 12553

Hon. Philip D. D'Angelo
Superintendent of Schools
Millbrook Central School District



In Re: Millbrook Middle School: Sampling and Analysis: Mold Contamination

Dear Superintendent D'Angelo:

Our firm conducted a NYS Article 32 Mold Assessment at Millbrook Middle School on Sunday, September 23, 2018. Present were Assistant Superintendent Brian Fried, and two representatives of the teacher's union. Adaptive Environmental Consulting's (AEC) services were engaged by your office by your designee, Mr. Fried. AEC was engaged after both public and private concerns were brought to your attention about the status of Alden Place and Elm Drive as it relates to the mold and environmental issues that were discovered at the beginning of the school year. You committed to have the middle school tested as part of your due diligence obligation. Our engagement directed us to opine to reasonable scientific certainty:

- 1.) Whether Millbrook Middle as inspected displays conditions requiring mold remediation as defined by New York State Article 32.
- 2.) Whether personal property within Millbrook Middle requires professional cleaning or should be discarded.

As summary, Millbrook Middle is a post war, single-story (albeit, on a substantial grade with multiple levels), slab-on-grade commercial building that operates as a public elementary school. Building occupancy supports staff, students, and various district employees.

AEC visited the building on Sunday, September 23, 2018 to conduct a limited visual inspection, and present a sampling plan to your office that would allow you to evaluate whether the school was clean and environmentally safe, to the extent possible through inspection and sampling. AEC visited the school and conducted the comprehensive inspection at your direction.

AEC performed inspection and collected air-based samples using non-viable air-o-cells (spore traps), surface-based swab samples, and ATP site cleanliness assessment samples throughout Millbrook Middle occupiable areas. Air-based and surface-based-samples were analyzed by EMSL Analytical, Inc. in Manhattan, NY, under chain-of-custody procedures, to determine whether mold spores settled within sampled areas creating a possible occupancy and personal property exposure hazard.

Inspection and sampling practices generally aligned to ASTM D7338-10 and ASTM E24158-06, as well and documents provided by other varied federal and state entities, and determinations of water and mold concerns were based on standard of care considerations as published within ANSI-IICRC S500 (for water restoration) and ANSI-IICRC S520 (for mold remediation).

Based on standard of care review AEC opines provided experience and inspection, with reasonable scientific certainty, these damp space issues and associated exposure risks are not present within Millbrook Middle:

- Mold growth was not detected in any room by AEC.
- Mold growth was not observed on any personal property by AEC.
- Analysis of spore traps collected on September 23, 2018 were consistent with normal fungal ecology findings.
- There was one anomalous data point, which was located in a file room, room 29. This room is full of shelves, and approximately 10,000 pounds of paper and cardboard. Frankly, I'm not surprised that this room resulted in an anomalous finding. We recommend cleaning this room, and improving the air quality program and management within this room.

Thank you for the opportunity to assist your office with the NYS Article 32 Mold Assessment. If you have any questions, please do not hesitate to contact me at any time.

Respectfully Submitted,

John Evans NYSMA 000842
Adaptive Environmental Consulting of New York LLC

JE/je



EMSL Analytical, Inc.

2307 Springlake Road, Suite 510 Dallas, TX 75234

Tel/Fax: (972) 892-9928 / (972) 892-9929

<http://www.EMSL.com> / dallaslab@emsl.com

EMSL Order: 111801497

Customer ID: ADPN42

Customer PO:

Project ID:

Attn: John Evans
Adaptive Environmental Consultants
367 Windsor Hwy #452
New Windsor, NY 12553

Phone: (239) 634-4557
Fax: (888) 987-4437
Collected: 09/24/2018
Received: 09/24/2018
Analyzed: 09/26/2018

Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0001			111801497-0002			111801497-0003		
Client Sample ID:	59			07			10		
Volume (L):	75			75			75		
Sample Location	OUT			58			57		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	16	710	2.3	-	-	-	-	-	-
Aspergillus/Penicillium	5	200	0.6	-	-	-	8	400	29.4
Basidiospores	649	28700	92.1	14	620	86.1	20	880	64.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	10	440	1.4	2	90	12.5	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	9	400	1.3	-	-	-	1	40	2.9
Myxomycetes++	14	620	2	-	-	-	-	-	-
Pithomyces++	-	-	-	1*	10*	1.4	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	1	40	2.9
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	2	90	0.3	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	705	31160	100	17	720	100	30	1360	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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

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Samples analyzed by EMSL Analytical, Inc. Dallas, TX AIHA-LAP, LLC--EMLAP Accreditation #223278, TX 1032

Initial report from: 09/26/2018 12:22:35

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



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EMSL Order: 111801497
Customer ID: ADPN42
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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0004			111801497-0005			111801497-0006		
Client Sample ID:	88			77			56		
Volume (L):	75			75			75		
Sample Location	51			53			54		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	7	1	40	3.3	2	90	5.6
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	12	530	93	25	1100	89.4	35	1500	93.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	3.3	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1*	10*	0.6
Myxomycetes++	-	-	-	1	40	3.3	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	1*	10*	0.8	-	-	-
Total Fungi	13	570	100	29	1230	100	38	1600	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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

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 received in good condition unless otherwise noted.

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Customer ID: ADPN42
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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0007			111801497-0008			111801497-0009		
Client Sample ID:	63			73			92		
Volume (L):	75			75			75		
Sample Location	49			52			50		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	9	400	3	-	-	-	1	40	6
Aspergillus/Penicillium	9	400	3	-	-	-	-	-	-
Basidiospores	275	12200	91.4	10	440	100	12	530	79.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	7	300	2.2	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	0.3	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	3	100	14.9
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1*	10*	0.1	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	302	13350	100	10	440	100	16	670	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, 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:	111801497-0010			111801497-0011			111801497-0012		
Client Sample ID:	04			01			85		
Volume (L):	75			75			75		
Sample Location	55			56			57		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	1*	10*	3.2	-	-	-	-	-	-
Ascospores	-	-	-	1	40	3.4	1	40	3.1
Aspergillus/Penicillium	-	-	-	3	100	8.5	1	40	3.1
Basidiospores	7	300	96.8	22	970	82.9	26	1100	84.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1*	10*	0.9	1	40	3.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	3.1
Myxomycetes++	-	-	-	-	-	-	1	40	3.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1*	10*	0.9	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	1	40	3.4	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	8	310	100	29	1170	100	31	1300	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Lab Sample Number:	111801497-0013			111801497-0014			111801497-0015		
Client Sample ID:	82			84			83		
Volume (L):	75			75			75		
Sample Location	43			45			46		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	16	710	84.5	11	490	73.1	1	40	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	6	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	4.8	-	-	-	-	-	-
Myxomycetes++	2	90	10.7	3	100	14.9	-	-	-
Pithomyces++	-	-	-	1	40	6	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	19	840	100	16	670	100	1	40	100
Hypthal Fragment	1	40	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Dallas, TX AIHA-LAP, LLC--EMLAP Accreditation #223278, TX 1032

Initial report from: 09/26/2018 12:22:35

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EMSL Order: 111801497
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 09/24/2018 Received: 09/24/2018 Analyzed: 09/26/2018
Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0016			111801497-0017			111801497-0018		
Client Sample ID:	57			53			61		
Volume (L):	75			75			75		
Sample Location:	48			47			GYM		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	2	90	18.4	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	4	200	23.3
Basidiospores	10	440	100	9	400	81.6	12	530	61.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	2	90	10.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	4.7
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	10	440	100	11	490	100	19	860	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Collected: 09/24/2018
Received: 09/24/2018
Analyzed: 09/26/2018

Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0019			111801497-0020			111801497-0021		
Client Sample ID:	32			86			45		
Volume (L):	75			75			75		
Sample Location	3			GYM			LVL 2 HALL		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1*	10*	3
Ascospores	1	40	7	-	-	-	1	40	12.1
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	12	530	93	11	490	100	5	200	60.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	12.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	12.1
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	13	570	100	11	490	100	9	330	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Collected: 09/24/2018
Received: 09/24/2018
Analyzed: 09/26/2018

Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0022			111801497-0023			111801497-0024		
Client Sample ID:	65			87			72		
Volume (L):	75			75			75		
Sample Location	43			ATHLETIC TRAINER			CAF		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	3	100	6.5	1	40	3
Aspergillus/Penicillium	-	-	-	1	40	2.6	-	-	-
Basidiospores	24	1100	82.7	29	1300	83.9	27	1200	90.2
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	15	-	-	-	-	-	-
Curvularia	-	-	-	2*	30*	1.9	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1*	10*	0.6	-	-	-
Myxomycetes++	2*	30*	2.3	2*	30*	1.9	2	90	6.8
Pithomyces++	-	-	-	1	40	2.6	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	30	1330	100	39	1550	100	30	1330	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	1*	10*	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Collected: 09/24/2018
Received: 09/24/2018
Analyzed: 09/26/2018

Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0025			111801497-0026			111801497-0027		
Client Sample ID:	55			52			47		
Volume (L):	75			75			75		
Sample Location	2			GF ENT			4		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	9.1	3	100	7.9	1	40	3.8
Aspergillus/Penicillium	-	-	-	2	90	7.1	-	-	-
Basidiospores	8	400	90.9	21	930	73.8	22	970	92.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1	40	3.2	1	40	3.8
Myxomycetes++	-	-	-	3	100	7.9	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	9	440	100	30	1260	100	24	1050	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 09/24/2018 Received: 09/24/2018 Analyzed: 09/26/2018
Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0028			111801497-0029			111801497-0030		
Client Sample ID:	28			62			64		
Volume (L):	75			75			75		
Sample Location	4A			21			26		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	12.5	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	1	40	9.1
Basidiospores	12	530	73.6	28	1200	85.1	8	400	90.9
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	5	200	14.2	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	3	100	13.9	1*	10*	0.7	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	17	720	100	34	1410	100	9	440	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0031			111801497-0032			111801497-0033		
Client Sample ID:	91			50			71		
Volume (L):	75			75			75		
Sample Location	PUPIL			M OROR			19		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	5	200	3.3	10	440	6.2	1	40	28.6
Aspergillus/Penicillium	3	100	1.6	-	-	-	-	-	-
Basidiospores	127	5610	91.2	144	6360	89.1	3	100	71.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	3.3	7	300	4.2	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	0.6	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1	40	0.7	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	140	6150	100	162	7140	100	4	140	100
Hypthal Fragment	1	40	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Dallas, TX AIHA-LAP, LLC--EMLAP Accreditation #223278, TX 1032

Initial report from: 09/26/2018 12:22:35

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EMSL Order: 111801497

Customer ID: ADPN42

Customer PO:

Project ID:

Attn: John Evans
Adaptive Environmental Consultants
367 Windsor Hwy #452
New Windsor, NY 12553

Phone: (239) 634-4557
Fax: (888) 987-4437
Collected: 09/24/2018
Received: 09/24/2018
Analyzed: 09/26/2018

Project: NY-JE-Millbrook Middle

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

Lab Sample Number:	111801497-0034			111801497-0035			111801497-0036		
Client Sample ID:	68			37			90		
Volume (L):	75			75			75		
Sample Location	29			SHOP			LIBRARY		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	1	40	0.1	-	-	-	-	-	-
Ascospores	1	40	0.1	-	-	-	8	400	3.1
Aspergillus/Penicillium	660	29200	99.3	-	-	-	1	40	0.3
Basidiospores	-	-	-	5	200	83.3	271	12000	93.5
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	0.1	-	-	-	6	300	2.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	2	90	0.7
Myxomycetes++	2	90	0.3	1	40	16.7	-	-	-
Pithomyces++	1*	10*	0	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	666	29420	100	6	240	100	288	12830	100
Hypthal Fragment	-	-	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Initial report from: 09/26/2018 12:22:35

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EMSL Order: 111801497
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 09/24/2018 Received: 09/24/2018 Analyzed: 09/26/2018
Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0037			111801497-0038			111801497-0039		
Client Sample ID:	54			76			67		
Volume (L):	75			75			75		
Sample Location	19 #2			MAIL			30		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	1	40	4.7	-	-	-
Ascospores	2	90	3.8	2	90	10.5	-	-	-
Aspergillus/Penicillium	2	90	3.8	-	-	-	-	-	-
Basidiospores	38	1700	71.7	9	400	46.5	6	300	85.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	9	400	16.9	2	90	10.5	1	40	11.4
Curvularia	-	-	-	1	40	4.7	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	1.7	-	-	-	-	-	-
Myxomycetes++	1	40	1.7	5	200	23.3	1*	10*	2.9
Pithomyces++	1*	10*	0.4	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	54	2370	100	20	860	100	8	350	100
Hypchal Fragment	-	-	-	2	90	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0040			111801497-0041			111801497-0042		
Client Sample ID:	81			49			46		
Volume (L):	75			75			75		
Sample Location	17			25			27		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	5	200	4.7	1	40	4.5	-	-	-
Aspergillus/Penicillium	3	100	2.4	-	-	-	1	40	5.3
Basidiospores	81	3600	85.1	6	300	34.1	14	620	82.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	4.7	3	100	11.4	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	0.9	-	-	-	-	-	-
Myxomycetes++	2	90	2.1	9	400	45.5	2	90	12
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1	40	4.5	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	96	4230	100	20	880	100	17	750	100
Hypthal Fragment	3	100	-	-	-	-	1*	10*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	40	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0043			111801497-0044			111801497-0045		
Client Sample ID:	74			50			79		
Volume (L):	75			75			75		
Sample Location:	16			CAF ENT			11		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	10.5	-	-	-	2	90	4.7
Aspergillus/Penicillium	-	-	-	1	40	16	-	-	-
Basidiospores	6	300	78.9	4	200	80	40	1800	93.3
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	10.5	1*	10*	4	1	40	2.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	8	380	100	6	250	100	43	1930	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0046			111801497-0047			111801497-0048		
Client Sample ID:	58			89			69		
Volume (L):	75			75			75		
Sample Location:	23			GUIDANCE			22		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	4	200	2.4	-	-	-
Aspergillus/Penicillium	1	40	11.8	1	40	0.5	3	100	25
Basidiospores	4	200	58.8	174	7690	93.4	4	200	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	3	100	29.4	5	200	2.4	2	90	22.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	2	90	1.1	-	-	-
Myxomycetes++	-	-	-	1*	10*	0.1	1*	10*	2.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	8	340	100	187	8230	100	10	400	100
Hypchal Fragment	-	-	-	1*	10*	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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EMSL Analytical, Inc.

2307 Springlake Road, Suite 510 Dallas, TX 75234

Tel/Fax: (972) 892-9928 / (972) 892-9929

<http://www.EMSL.com> / dallaslab@emsl.com

EMSL Order: 111801497
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 09/24/2018 Received: 09/24/2018 Analyzed: 09/26/2018
Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0049			111801497-0050			111801497-0051		
Client Sample ID:	48			75			51		
Volume (L):	75			75			75		
Sample Location	MRS AGRE			TAX BUSINESS			28		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	5	200	6.6	2	90	3.7	-	-	-
Aspergillus/Penicillium	5	200	6.6	1	40	1.6	-	-	-
Basidiospores	41	1800	59	44	1900	78.2	1	40	30.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	16	710	23.3	4	200	8.2	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	1.3	2	90	3.7	-	-	-
Myxomycetes++	3	100	3.3	3	100	4.1	2	90	69.2
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Spegazzinia	-	-	-	1*	10*	0.4	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	71	3050	100	57	2430	100	3	130	100
Hyphal Fragment	2*	30*	-	2	90	-	-	-	-
Insect Fragment	-	-	-	2	90	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

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

Cindy Nguyen, Laboratory Manager
or other approved signatory

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Project: NY-JE-Millbrook Middle	

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

Lab Sample Number:	111801497-0052			111801497-0053		
Client Sample ID:	66			70		
Volume (L):	75			75		
Sample Location	STAFF			20		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	1	40	4.7	5	200	7.6
Aspergillus/Penicillium	-	-	-	4	200	7.6
Basidiospores	18	800	94.1	49	2200	83.3
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	1.5
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	1*	10*	1.2	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-
Spegazzinia	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-
Total Fungi	20	850	100	59	2640	100
Hyphal Fragment	1	40	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-

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

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