



**WASHINGTON TOWNSHIP SCHOOL DISTRICT
WASHINGTON TOWNSHIP HIGH SCHOOL
SEWELL, NEW JERSEY
MICROBIAL REMEDIATION
CLEARANCE REPORT**

Prepared for:

Washington Township Board of Education
206 East Holly Avenue
Sewell, New Jersey 08080

Prepared by:

Coastal Environmental Compliance, LLC
P.O. Box 167
Hammonton, NJ 08037
coastalenvironmental@hotmail.com
P: 609-685-9984/609-820-9312 * F: 609-561-6197

October 23, 2017

**WASHINGTON TOWNSHIP SCHOOL DISTRICT
WASHINGTON TOWNSHIP HIGH SCHOOL
SEWELL, NEW JERSEY
MICROBIAL REMEDIATION
CLEARANCE REPORT**

Prepared By:

Cathy Ledden

Cathy Ledden
Sr. Environmental Compliance Officer

The information contained in this document is confidential and intended for the exclusive use of the Client named on the cover page, and only with respect to the Facility which is the subject of this document. Any other disclosure, use, copying, distribution or taking of any action in reliance on the contents of this document is prohibited. Coastal Environmental Compliance, LLC. shall not be liable to any person for use of this document, and any information contained therein, except as expressly authorized by Coastal Environmental Compliance, LLC. Coastal Environmental Compliance, LLC. shall not be liable to the Client or any person or entity, in the event the Client fails to respond to the findings or implement the recommendations provided within this document.

The information herein is provided based on current technology and guidelines established by professional and governmental organizations involved in environmental issues. It is based on physical and regulatory conditions in existence at the time the Facility was visited for the purpose of preparing this document, or at the time of document delivery to the Client, if no Facility was visited for the purpose of preparing this document.

©2017 Coastal Environmental Compliance, LLC. All Rights Reserved.

**WASHINGTON TOWNSHIP SCHOOL DISTRICT
WASHINGTON TOWNSHIP HIGH SCHOOL
SEWELL, NEW JERSEY
MICROBIAL REMEDIATION
CLEARANCE REPORT**

Table of Contents

1.0 BACKGROUND	4
2.0 APPROACH	4
3.0 FINDINGS & OBSERVATIONS	5
3.0 RECOMMENDATIONS	12
APPENDIX A: LAB RESULTS	

1.0 BACKGROUND

A mold clean-up was conducted at the Washington Township High School, 529 Hurffville-Cross Key Road, Sewell, New Jersey. Work was conducted according to the Scope of Work by Coastal Environmental (Coastal Environmental). This report summarized the results of the clearance testing and visual inspection conducted after the clean-up.

2.0 APPROACH

2.1 *SAMPLING METHODOLOGY*

Microbiological clearance air sampling was conducted within the property, and three outdoor location using a low flow pump and air-o-cell cassettes (spore traps). Samples were evaluated for total count and identification of fungi, and other particulates.

EMSL Analytical, Cinnaminson, New Jersey, performed the analysis, according to guidelines proposed by the USEPA, and the AIHA Field Guide For The Determination Of Biological Contaminants In Environmental Samples, 1996.

3.0 FINDINGS & OBSERVATIONS

3.1 VISUAL INSPECTION

The affected areas are visually free of mold. Clean-up efforts addressed all visible mold in the affected areas.

3.2 SAMPLE RESULTS

3.2.1 Microbiological Testing

Below, please find the microbiological clearance testing results, which were conducted following completion of the clean-up.

1st Round of Clearance Testing

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Ambient – Near Room D-5	90	Alternaria	N/A
			14,100	Ascospores	
			100	Aspergillus/Penicillium	
			30,400	Basidiospores	
			7,250	Cladosporium	
			40	Epicoccum	
			40	Ganoderma	
			90	Myxomycetes	
			40	Pithomyces	
			40	Rust	
			50	Unidentifiable Spores	
			10	Cercospora	
			40	Nigrospora	
			30	Peronospora	
			300	Polythrincium	
			52,620	Total Spore Count	

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Ambient - Front	200 7,420 880 16,700 2,600 40 300 200 40 90 10 200 40 40 10 50 10 28,830	Alternaria Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Epicoccum Ganoderma Myxomycetes Rust Torula Unidentifiable Spores Cercospora Mycoenterolobium Nigrospora Polythrincium Pyricularia Total Spore Count	N/A
10/16/17	Air-o-cell	Ambient - Back	40 4,510 800 24,600 4,600 10 200 40 10 10 90 40 10 30 34,990	Alternaria Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Epicoccum Ganoderma Myxomycetes Pithomyces Rust Unidentifiable Spores Nigrospora Pestalotia/Pestalotiopsis Polythrincium Total Spore Count	N/A

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Room E-2	710 90 7,290 490 40 10 40 40 8,710	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Ganoderma Myxomycetes Unidentifiable/Spores Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room E-4	100 8,620 4,300 200 40 10 40 13,310	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Myxomycetes Pithomyces Rust Total Spore Count	Action Required
10/16/17	Air-o-cell	Room E-6	40 930 200 40 30 10 1,250	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Myxomycetes Pithomyces Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room F-8	200 40 490 10 10 90 40 300 1,180	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Myxomycetes Pithomyces Rust Total Spore Count	Acceptable

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Room C-18	2,300 200 7,910 1,200 90 40 10 90 10 11,850	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Epicoccum Ganoderma Myxomycetes Unidentifiable/Spores Nigrospora Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room C-20	70 3,400 200 10,200 3,200 10 40 90 10 10 200 10 130 40 17,610	Alternaria Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Epicoccum Myxomycetes Pithomyces Rust Unidentifiable Spores Cercospora Paecilomyces Pestalotia/Pestalotiopsis Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room A-25	490 400 40 930	Aspergillus/Penicillium Basidiospores Cladosporium Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room A-27	10 400 3,000 400 90 3,900	Alternaria Ascospores Basidiospores Cladosporium Myxomycetes Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room K-202	40 300 10 300 90 740	Ascospores Basidiospores Chaetomium Cladosporium Myxomycetes Total Spore Count	Acceptable

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Room K-204	400 1,100 750 30 40 2,320	Ascospores Basidiospores Cladosporium Myxomycetes Rust Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room L-103	90 440 490 40 40 1,100	Ascospores Basidiospores Cladosporium Myxomycetes Rust Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room L-105	100 300 40 10 450	Ascospores Basidiospores Cladosporium Rust Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room L-202	90 400 40 40 10 90 670	Ascospores Basidiospores Chaetomium Cladosporium Epicoccum Myxomycetes Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room L-204	40 300 200 10 40 590	Ascospores Basidiospores Cladosporium Ganodera Myxomycetes Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room K-103	90 40 90 90 10 320	Aspergillus/Penicillium Basidiospores Cladosporium Myxomycetes Pitomyces Total Spore Count	Acceptable

<i>1st ROUND OF SAMPLING RESULTS</i>					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/16/17	Air-o-cell	Room K-105	40 40 200 90 40 410	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Myxomycetes Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room I-103	10 10	Myxomycetes Total Spore Count	Acceptable
10/16/17	Air-o-cell	Room I-105	16,700 90 70 10 40 16,910	Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Myxomycetes Total Spore Count	Action Required
10/16/17	Air-o-cell	Room I-204	40 200 100 10 350	Ascospores Aspergillus/Penicillium Basidiospores Chaetomium Total Spore Count	Acceptable

2nd Round of Clearance Testing

2 ND ROUND OF SAMPLING RESULTS					
<i>Date</i>	<i>Type Sample</i>	<i>Location</i>	<i>Result (Spores m3)</i>	<i>Fungal Type</i>	<i>Determination: Acceptable or Action Required</i>
10/17/17	Air-o-cell	Ambient - Front	490 400 3,000 3,200 10 90 90 300 90 40 7,710	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Fusarium Ganoderma Myxomycetes Pithomyces Rust Total Spore Count	N/A
10/17/17	Air-o-cell	Ambient - Front	40 400 440 2,800 2,700 100 90 40 100 800 90 90 100 530 100 8,420	Alternaria Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Curvularia Epicoccum Fusarium Ganoderma Myxomycetes Pithomyces Rust Unidentifiable/Spores Arthrimum Paecilomyces Total Spore Count	N/A
10/17/17	Air-o-cell	Room E-4	40 200 300 490 200 10 40 90 1,370	Ascospores Aspergillus/Penicillium Basidiospores Cladosporium Fusarium Myxomycetes Paecilomyces Yeast Total Spore Count	Acceptable

2ND ROUND OF SAMPLING RESULTS					
Date	Type Sample	Location	Result (Spores m3)	Fungal Type	Determination: Acceptable or Action Required
10/17/17	Air-o-cell	Room I-105	40 90 130	Aspergillus/Penicillium Myxomycetes Total Spore Count	Acceptable

Due to elevated lab results from the 1st set of clearance testing within rooms E-4 and I-105, additional cleaning was conducted. The District was instructed to conduct additional cleaning of all horizontal surfaces within these two rooms, and an additional 24 hours of air scrubbing was conducted. The second round of clearance testing within these rooms proved acceptable.

Based upon the visual inspection and testing results, Coastal Environmental Compliance, LLC has determined that the Washington Township High School passed clearance testing, and considers the science areas safe for occupancy. The results exhibited normal fungal ecology.

4.0 RECOMMENDATIONS

Based upon the testing results and visual observations, Coastal Environmental Compliance, LLC recommends the following:

BUILDING MAINTENANCE:

- ✦ Ensure all old wood surfaces are professionally sealed. This will help prevent mold growth to occur in the future.
- ✦ Ensure all HVAC units are cleaned, serviced and maintained on a regularly basis.
- ✦ Maintain humidity levels below 60%, ideally between 30-50%, throughout the schools to prevent excessive moisture from causing mold growth. This will be conducted during the summer months.

Coastal Environmental Compliance, LLC is pleased to have provided the Washington Township School District with professional services.

APPENDIX A
October 16, 2017 and October 17, 2017
CLEARANCE LAB RESULTS

COASTAL ENVIRONMENTAL COMPLIANCE, LLC
 PO BOX 167
 HAMMONTON, NJ 08037
 PHONE: 609.820.9312 * FAX: 609.561.6197

To:	Robert Schoenfeldt Washington Township SD 206 East Holly Avenue Sewell, NJ 08080				
Invoice No.	Invoice Date	PO Number	Vendor No.	Req. No.	Other
C-2805	10/23/17				
Quantity	Description			Price	Amount
	Indoor Air Quality/CLEARANCE Mold Investigation & Testing: HIGH SCHOOL				
	⌄ On-site Clearance Inspection and Testing October 16 & 17, 2017			\$ 6,500.00	\$ 6,500.00
	⌄ Project Management				
	⌄ Sampling – 1 st Clearance 22 samples (6 Hour Rush TAT)				
	⌄ Sampling – 2 nd Clearance 4 samples (6 Hour Rush TAT)				
	⌄ Analysis Cost				
	⌄ Final Report				
Subtotal	Sales Tax	Shipping	Amount Due	Terms	Pay By
\$ 6,500.00	0.00%		\$ 6,500.00		11/23/17

Please make check payable to:

Coastal Environmental Compliance, LLC

Thank you for your business!



EMSL Analytical, Inc.

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

EMSL Order: 371722630
 Customer ID: COAS80
 Customer PO:
 Project ID:

Attn: Cathy Ledden
 Coastal Environmental Compliance, LLC
 PO Box 167
 Hammonton, NJ 08037-0167

Phone: (609) 820-9312
 Fax: (609) 561-6197
 Collected: 10/16/2017
 Received: 10/16/2017
 Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0001			371722630-0002			371722630-0003		
Client Sample ID:	0			1			2		
Volume (L):	75			75			75		
Sample Location	Ambient Near D-5			Ambient Front			Ambient Back		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	2	90	0.2	4	200	0.7	1	40	0.1
Ascospores	319	14100	26.8	168	7420	25.7	102	4510	12.9
Aspergillus/Penicillium	3	100	0.2	20	880	3.1	18	800	2.3
Basidiospores	688	30400	57.8	378	16700	57.9	556	24600	70.3
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	164	7250	13.8	58	2600	9	104	4600	13.1
Curvularia	-	-	-	1	40	0.1	-	-	-
Epicoccum	1	40	0.1	6	300	1	1*	10*	0
Ganoderma	1	40	0.1	5	200	0.7	4	200	0.6
Myxomycetes++	2	90	0.2	1	40	0.1	1	40	0.1
Pithomyces	1	40	0.1	-	-	-	1*	10*	0
Rust	1	40	0.1	2	90	0.3	1*	10*	0
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	1*	10*	0	-	-	-
Unidentifiable Spores	4*	50*	0.1	4	200	0.7	2	90	0.3
Cercospora	1*	10*	0	1	40	0.1	-	-	-
Mycoenterolobium	-	-	-	1	40	0.1	-	-	-
Nigrospora	3*	40*	0.1	1*	10*	0	1	40	0.1
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	2*	30*	0.1	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	1*	10*	0
Polythrincium	7	300	0.6	4*	50*	0.2	2*	30*	0.1
Pyricularia	-	-	-	1*	10*	0	-	-	-
Total Fungi	1199	52620	100	656	28830	100	795	34990	100
Hyphal Fragment	-	-	-	5	200	-	3	100	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1*	10*	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722630

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/16/2017

Received: 10/16/2017

Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0004			371722630-0005			371722630-0006		
Client Sample ID:	3			4			5		
Volume (L):	75			75			75		
Sample Location	E2			E4			E6		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	16	710	8.2	3	100	0.8	1	40	3.2
Aspergillus/Penicillium	2	90	1	195	8620	64.8	21	930	74.4
Basidiospores	165	7290	83.7	97	4300	32.3	4	200	16
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	11	490	5.6	4	200	1.5	1	40	3.2
Curvularia	1	40	0.5	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Ganoderma	1*	10*	0.1	-	-	-	-	-	-
Myxomycetes++	1	40	0.5	1	40	0.3	2*	30*	2.4
Pithomyces	-	-	-	1*	10*	0.1	1*	10*	0.8
Rust	-	-	-	1	40	0.3	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.5	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyrularia	-	-	-	-	-	-	-	-	-
Total Fungi	198	8710	100	302	13310	100	30	1250	100
Hyphal Fragment	1	40	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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

Printed: 10/16/2017 17:03 PM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722630

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/16/2017

Received: 10/16/2017

Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0007			371722630-0008			371722630-0009		
Client Sample ID:	6			7			8		
Volume (L):	75			75			75		
Sample Location:	F8			C18			C20		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	5*	70*	0.4
Ascospores	5	200	16.9	52	2300	19.4	77	3400	19.3
Aspergillus/Penicillium	1	40	3.4	5	200	1.7	5	200	1.1
Basidiospores	11	490	41.5	179	7910	66.8	231	10200	57.9
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1*	10*	0.8	27	1200	10.1	72	3200	18.2
Curvularia	1*	10*	0.8	-	-	-	1*	10*	0.1
Epicoccum	-	-	-	2	90	0.8	1	40	0.2
Ganoderma	-	-	-	1	40	0.3	-	-	-
Myxomycetes++	2	90	7.6	1*	10*	0.1	7*	90*	0.5
Pithomyces	1	40	3.4	-	-	-	1*	10*	0.1
Rust	6	300	25.4	-	-	-	1*	10*	0.1
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	2	90	0.8	4	200	1.1
Cercospora	-	-	-	-	-	-	1*	10*	0.1
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	1*	10*	0.1	-	-	-
Paecilomyces	-	-	-	-	-	-	10*	130*	0.7
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	1	40	0.2
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Total Fungi	28	1180	100	270	11850	100	417	17610	100
Hyphal Fragment	1	40	-	-	-	-	2	90	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	1*	10*	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., 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. "ND" 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.

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

Initial report from: 10/16/2017 17:03:42

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

Printed: 10/16/2017 17:03 PM



EMSL Analytical, Inc.

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

EMSL Order: 371722630

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammononton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/16/2017

Received: 10/16/2017

Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0010			371722630-0011			371722630-0012		
Client Sample ID:	9			10			11		
Volume (L):	75			75			75		
Sample Location	A25			A27			K202		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	1*	10*	0.3	-	-	-
Ascospores	-	-	-	9	400	10.3	1	40	5.4
Aspergillus/Penicillium	11	490	52.7	-	-	-	-	-	-
Basidiospores	8	400	43	69	3000	76.9	6	300	40.5
Chaetomium	-	-	-	-	-	-	1*	10*	1.4
Cladosporium	1	40	4.3	9	400	10.3	6	300	40.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	2	90	2.3	2	90	12.2
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyrularia	-	-	-	-	-	-	-	-	-
Total Fungi	20	930	100	90	3900	100	16	740	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechlera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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



EMSL Analytical, Inc.

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

EMSL Order: 371722630
 Customer ID: COAS80
 Customer PO:
 Project ID:

Attn: Cathy Ledden
 Coastal Environmental Compliance, LLC
 PO Box 167
 Hammonton, NJ 08037-0167

Phone: (609) 820-9312
 Fax: (609) 561-6197
 Collected: 10/16/2017
 Received: 10/16/2017
 Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0013			371722630-0014			371722630-0015		
Client Sample ID:	12			13			14		
Volume (L):	75			75			75		
Sample Location	K204			L103			L105		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	9	400	17.2	2	90	8.2	3	100	22.2
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	24	1100	47.4	10	440	40	7	300	66.7
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	17	750	32.3	11	490	44.5	1	40	8.9
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2*	30*	1.3	1	40	3.6	-	-	-
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	1	40	1.7	1	40	3.6	1*	10*	2.2
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Total Fungi	53	2320	100	25	1100	100	12	450	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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



EMSL Analytical, Inc.

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

EMSL Order: 371722630
 Customer ID: COAS80
 Customer PO:
 Project ID:

Attn: Cathy Ledden
 Coastal Environmental Compliance, LLC
 PO Box 167
 Hammonton, NJ 08037-0167

Phone: (609) 820-9312
 Fax: (609) 561-6197
 Collected: 10/16/2017
 Received: 10/16/2017
 Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Test Report: Air-S-0001 / Analysis of Fungal Spores & Particulates by Optical Microscopy (Preliminary)									
Lab Sample Number:	371722630-0016			371722630-0017			371722630-0018		
Client Sample ID:	15			16			17		
Volume (L):	75			75			75		
Sample Location	L202			L204			K103		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascomycetes	2	90	13.4	1	40	6.8	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	2	90	28.1
Basidiospores	8	400	59.7	6	300	50.8	1	40	12.5
Chaetomium	1	40	6	-	-	-	-	-	-
Cladosporium	1	40	6	4	200	33.9	2	90	28.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	1*	10*	1.5	-	-	-	-	-	-
Ganoderma	-	-	-	1*	10*	1.7	-	-	-
Myxomycetes++	2	90	13.4	1	40	6.8	2	90	28.1
Pithomyces	-	-	-	-	-	-	1*	10*	3.1
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Total Fungi	15	670	100	13	590	100	8	320	100
Hyphal Fragment	-	-	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722630

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/16/2017

Received: 10/16/2017

Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0019			371722630-0020			371722630-0021		
Client Sample ID:	18			19			20		
Volume (L):	75			75			75		
Sample Location	K105			I103			I105		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	1	40	9.8	-	-	-	-	-	-
Aspergillus/Penicillium	1	40	9.8	-	-	-	378	16700	98.8
Basidiospores	5	200	48.8	-	-	-	2	90	0.5
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	2	90	22	-	-	-	5*	70*	0.4
Curvularia	-	-	-	-	-	-	1*	10*	0.1
Epicoccum	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	9.8	1*	10*	100	1	40	0.2
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Mycoenterolobium	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Paecilomyces	-	-	-	-	-	-	-	-	-
Peronospora	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyrularia	-	-	-	-	-	-	-	-	-
Total Fungi	10	410	100	1	10	100	387	16910	100
Hyphal Fragment	-	-	-	-	-	-	2*	30*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722630

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/16/2017

Received: 10/16/2017

Analyzed: 10/16/2017

Project: Wash Twp HS Clearance

Test Report: Air-O-CellTM Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722630-0022		
Client Sample ID:	21		
Volume (L):	75		
Sample Location	I204		
Spore Types	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-
Ascospores	1	40	11.4
Aspergillus/Penicillium	4	200	57.1
Basidiospores	3	100	28.6
Chaetomium	1*	10*	2.9
Cladosporium	-	-	-
Curvularia	-	-	-
Epicoccum	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces	-	-	-
Rust	-	-	-
Stachybotrys	-	-	-
Torula	-	-	-
Unidentifiable Spores	-	-	-
Cercospora	-	-	-
Mycoenterolobium	-	-	-
Nigrospora	-	-	-
Paecilomyces	-	-	-
Peronospora	-	-	-
Pestalotia/Pestalotiopsis	-	-	-
Polythrincium	-	-	-
Pyricularia	-	-	-
Total Fungi	9	350	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/16/2017 17:03:42

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

371722630_0022_0001_1_01 Printed: 10/16/2017 17:03 PM



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722845

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/17/2017

Received: 10/18/2017

Analyzed: 10/17/2017

Project: Washington Twp HS - 2nd Clear

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722845-0001			371722845-0002			371722845-0003		
Client Sample ID:	HS1			HS2			HS3		
Volume (L):	75			75			75		
Sample Location	Ambient Front			Ambient Back			Room E-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	-	-	-	1	40	0.5	-	-	-
Ascospores	11	490	6.4	9	400	4.8	1	40	2.9
Aspergillus/Penicillium	9	400	5.2	10	440	5.2	4	200	14.6
Basidiospores	69	3000	38.9	64	2800	33.3	7	300	21.9
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	72	3200	41.5	61	2700	32.1	11	490	35.8
Curvularia	1*	10*	0.1	3	100	1.2	-	-	-
Epicoecum	-	-	-	2	90	1.1	-	-	-
Fusarium	2	90	1.2	1	40	0.5	4	200	14.6
Ganoderma	2	90	1.2	3	100	1.2	-	-	-
Myxomycetes++	6	300	3.9	18	800	9.5	1*	10*	0.7
Pithomyces	2	90	1.2	2	90	1.1	-	-	-
Rust	1	40	0.5	2	90	1.1	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	3	100	1.2	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Arthrinium	-	-	-	12	530	6.3	-	-	-
Paecilomyces	-	-	-	3	100	1.2	1	40	2.9
Yeast	-	-	-	-	-	-	2	90	6.6
Total Fungi	175	7710	100	194	8420	100	31	1370	100
Hyphal Fragment	1	40	-	4	200	-	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	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smuts

Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

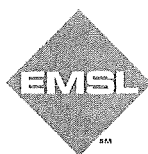
No discernable field blank was submitted with this group of samples.

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.

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

Initial report from: 10/18/2017 08:55:17

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 371722845

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Cathy Ledden

Coastal Environmental Compliance, LLC

PO Box 167

Hammonton, NJ 08037-0167

Phone: (609) 820-9312

Fax: (609) 561-6197

Collected: 10/17/2017

Received: 10/18/2017

Analyzed: 10/17/2017

Project: Washington Twp HS - 2nd Clear

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371722845-0004				
Client Sample ID:	HS4				
Volume (L):	75				
Sample Location	Room I-105				
Spore Types	Raw Count	Count/m ³	% of Total		
Alternaria	-	-	-		
Ascospores	-	-	-		
Aspergillus/Penicillium	1	40	30.8		
Basidiospores	-	-	-		
Bipolaris++	-	-	-		
Chaetomium	-	-	-		
Cladosporium	-	-	-		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	2	90	69.2		
Pithomyces	-	-	-		
Rust	-	-	-		
Scopulariopsis	-	-	-		
Stachybotrys	-	-	-		
Torula	-	-	-		
Ulocladium	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Arthrinium	-	-	-		
Paecilomyces	-	-	-		
Yeast	-	-	-		
Total Fungi	3	130	100		
Hyphal Fragment	-	-	-		
Insect Fragment	-	-	-		
Pollen	1*	10*	-		
Analyt. Sensitivity 600x	-	44	-		
Analyt. Sensitivity 300x	-	13*	-		
Skin Fragments (1-4)	-	1	-		
Fibrous Particulate (1-4)	-	1	-		
Background (1-5)	-	2	-		

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
 Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., 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.

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

Initial report from: 10/18/2017 08:55:17

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

Printed: 10/18/2017 08:55 AM

Page 2 of 2