



HYGIENETECH

Hygiene Technologies International, Inc.

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December 22, 2010

State of California
Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 20906001.8

Attention: David Gau

Regarding: Fungal Growth Remediation Monitoring and Clearance Surveys
4th Floor

Dear Mr. Gau:

On various dates in June, July, and August of 2009, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) monitored fungal growth remediation activities and conducted fungal growth remediation clearance surveys on the 4th Floor of the State of California Board of Equalization (BOE) building located at 450 N Street in Sacramento, California. Fungal growth remediation was performed by JLS Environmental Services, Inc. (JLS) under the direction of BioMax Environmental, LLC, and/or LaCroix Davis, LLC (LCD), industrial hygiene consulting firms contracted with the State of California Department of General Services (DGS). The fungal growth remediation protocols for the project were later documented by LCD and can be found in their document *State Board of Equalization Generic Floor Remediation Protocol, Rev 1* dated August 3, 2009.

During the surveys, air and surface samples were collected within the 4th Floor remediation enclosures and one or more additional air samples were collected at outdoor locations on specific survey dates for comparison purposes. Air samples were collected using a Zefon brand Bio-Pump™ equipped with Zefon Air-O-Cell™ cassettes. Surface samples were collected using either Zefon brand Bio-Tape™ surface samplers or cellophane tape segments that were affixed to microscope slides. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The analytical data with supporting and background information appear in the enclosed Tables 20906001-7 through 20906001-9.

Fungal growth remediation occurred in various areas of the 4th Floor including the Men's and Women's Restrooms, the Janitor Closet, Storage Rooms 4B and 4C, the northeastern drinking fountain area, the southwestern corner saw-tooth containment including the southern and western punch-out window areas, the southeastern corner saw-tooth containment including the southern and eastern punch-out window areas, the northwestern corner northern and western punch-out window areas, the northeastern corner northern and eastern punch-out window areas, and the western perimeter wall area between Column M23 and L23. During the remediation activities, HygieneTech observed and documented the



removal of fungal growth-contaminated building materials and decontamination of the remaining materials including but not limited to the exposed interior wall cavity framing, proximate drywall not affected by fungal growth, ceilings, and subfloors. Additionally, all such work was performed within controlled negative pressure containments that were monitored with the use of manometers. Those control measures were utilized so that dispersion of airborne spores was limited to the enclosed areas. The surface assessment data with supporting and background information regarding the 4th Floor fungal growth abatement activities appear in the enclosed Table 20906001-7.

The surface assessment data collected during the abatement activities indicated fungal growth involving *Alternaria*, *Aspergillus*, brown hyphae, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Stachybotrys*, and/or *Ulocladium* on various surfaces within the above mentioned abatement enclosures. Note that no evidence of fungal growth was found during the remediation that occurred in the northeastern drinking fountain area, the northwestern corner northern and western punch-out window areas, the northeastern corner northern and eastern punch-out window areas, the southwestern corner saw-tooth containment including the southern and western punch-out window areas. Additionally, within the southeastern corner sawtooth containment, no evidence of fungal growth was found at the eastern punch-out window area.

Following the completion of the fungal growth abatement activities, attempts were made to clear the enclosed work areas. Prior to the clearance surveys, visual inspections were performed within each of the enclosed work areas. By observation, all gross quantities of fungal growth had been removed from the fungal growth abatement areas. Note, however, that some of the fungal growth affected gypsum board materials in the Janitor Closet, Storage Room 4B and 4C, and the western perimeter wall cavity area between Column M23 and L23 were not removed during the abatement activities based on DGS's consultation with the Fire Marshall regarding removal of fire rated walls and/or due to walls being considered inaccessible by DGS and/or there consultants. Such walls were instead abraded as needed to remove surface fungal growth, wet wiped with a biocide solution, HEPA vacuumed, and then encapsulated with Foster® Full Defense™ (40-25) fungicidal protective coating. Elevator shaft walls within the Men's Restroom and Women's Restroom wall cavities were also painted with the Foster® Full Defense™ product.

On the clearance survey dates, the airborne total fungi data recorded indoors showed that airborne fungal spores were not detected at or above the laboratory analytical detection limit indicated or were detected at low levels, which consisted of common fungi including *Alternaria*, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, rusts, and/or smuts. The spore types detected indoors matched those found outdoors, and the overall spore counts within the containments were well below the overall data recorded outdoors. All such data met the clearance criteria established for the project. Historical data indicate that indoor spore levels usually average 30 to 80 percent of the outdoor spore level at the time of sampling, with the same general distribution of spore types. The overall indoor data recorded during the surveys did not exceed ten percent of the outdoor datum on any of the survey dates.

As indicated in Table 20906001-9, with only one exception, the surface sample data recorded within the containments showed no evidence of fungal growth or above background levels of fungal spores on any of the building material surfaces tested. The notable exception involving minimal *Cladosporium* fungal growth recorded during the July 30 survey date on the gypsum board material within the western perimeter wall cavity area between Column M23 and L23. Upon additional remediation within the affected containment, a clearance survey was subsequently performed on August 4, the results of which met clearance criteria established for the project. These data do not represent conditions that are expected to pose a health hazard to occupants above that posed by the outside environment where



exposures to airborne and surface-borne fungi are known to exist. Collectively, the results of the surveys satisfy the clearance criteria for fungal growth established for this project and notification to that effect was provided to representatives of BOE, JLS, LCD, and DGS on the dates that the lab data were received.

Be advised that the data provided with this correspondence only represent fungal growth and exposure potentials that existed at the time the surveys were performed and at the precise locations only, the latter of which were selected based on the available background information provided, and that fungal growth and exposure potentials may change due to changes in environmental conditions, such as those caused by water intrusion, use of mechanical systems, or other factors. Also be advised that while no evidence of additional fungal growth was seen at the time of the surveys, additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys. And finally, the exposure data recorded during these surveys may not be sufficiently broad to adequately assess the suitability of the indoor air quality for all individuals, particularly those who are extremely sensitive to certain chemical and/or biological substances or for those individuals with immune system deficiencies. Although not expected, if persons entering the 4th Floor do experience non-specific ill effects, such as eye irritation, allergy symptoms, headache, or skin rash, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If additional information becomes available, then further assessment may be warranted.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

A handwritten signature in black ink, appearing to read 'Kenny K. Hsi', is written over a solid horizontal line.

Kenny K. Hsi, CIH
Technical Director



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Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-7
SURFACE FUNGAL GROWTH POTENTIALS
ABATEMENT MONITORING
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE AND JULY, 2009

Page 1

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-11-09	20906001-TL301LS	Women's Restroom; within containment; sink cabinetry along western partition wall; northern portion; about center; from reverse side of previously removed sink cabinetry wood surface	Very heavy	Few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) <1+ <i>Ulocladium</i> species (spores, hyphae)	None	Fungal growth
06-11-09	20906001-TL302LS	Women's Restroom; within containment; sink cabinetry area; western partition wall; about five feet south of northern partition wall; approximately 18 inches above floor; from vertical surface of gypsum board	Heavy	Very few	2+ Brown hyphae with no associated spores, ID unknown. (hyphae) <1+ <i>Ulocladium</i> species (spores, hyphae)	None	Fungal growth
06-11-09	20906001-TL303LS	Women's Restroom; within containment; southern towel dispenser area; western partition wall adjacent to hot water pipes; about one foot below ceiling; from vertical surface of gypsum board	Moderate	Very few	None	None	Background
06-11-09	20906001-TL304LS	Women's Restroom; within containment; southern towel dispenser area; hot water pipe along the western partition wall; about one foot below ceiling; from vertical surface of insulation paper	Moderate	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.



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4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE AND JULY, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-11-09	20906001-TL101AR	Men's Restroom; within containment; sink cabinetry along eastern partition wall; southern portion; about center; from reverse side of previously removed sink cabinetry wood surface	Heavy	Few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
06-11-09	20906001-TL102AR	Men's Restroom; within containment; sink cabinetry area; eastern partition wall; about four feet north of southern partition wall; approximately 18 inches above floor; from vertical surface of gypsum board	Moderate	Few	3+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
6-11-09	20906001-TL201LS	Janitor Closet; within containment; sink area; northern partition wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	None	None	Background
6-11-09	20906001-TL202LS	Janitor Closet; within containment; northern partition wall; about center; approximately two inches above floor; from vertical surface of gypsum board	Light	None	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores) 3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
6-11-09	20906001-TL203LS	Janitor Closet; within containment; western partition wall; about center; approximately two inches above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.



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ABATEMENT MONITORING
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE AND JULY, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
6-11-09	20906001-TL204LS	Janitor Closet; within containment; southern partition wall; about center; approximately two inches above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
6-12-09	20906001-TL205LS	Janitor Closet; within containment; northern partition wall; about center; approximately nine inches above floor; from vertical surface of second layer gypsum board	Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Fungal growth
6-12-09	20906001-TL206LS	Janitor Closet; within containment; western partition wall; about center; approximately six inches above floor; from vertical surface of second layer gypsum board	Moderate	Very few	3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Fungal growth
6-15-09	20906001-TL201AR	Storage Room 4C; within containment; ceiling along western partition wall; about center; from reverse side of previously removed section of gypsum board	Heavy	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) <1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Fungal growth
6-15-09	20906001-TL202AR	Storage Room 4C; within containment; ceiling plenum; southern partition wall; approximately one foot east of western end; approximately one foot above ceiling; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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ABATEMENT MONITORING
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE AND JULY, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
6-15-09	20906001-TL203AR	Storage Room 4B; within containment; ceiling plenum; eastern partition wall; about center; approximately one foot above ceiling; from vertical surface of gypsum board	Moderate	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-01-09	20907001-TL01CL	Area between Column L23 and M23 area; Cubicle 143; western perimeter wall; approximately one inch above floor; from vertical surface of gypsum board	Moderate	Few	None	None	Background
07-01-09	20907001-TL02CL	Area between Column L23 and M23 area; Cubicle 142; western perimeter wall; approximately one inch above floor; from vertical surface of gypsum board	Moderate	Few	None	None	Background
07-01-09	20907001-TL03CL	Area between Column L23 and M23 area; Cubicle 139.01; western perimeter wall; approximately one inch above floor; from vertical surface of gypsum board	Moderate	Few	None	None	Background
07-23-09	20907001-TL90LS	Northeastern drinking fountain area; within containment; southern partition wall; bottom portion; about center; from previously removed gypsum board	Heavy	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

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ABATEMENT MONITORING
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE AND JULY, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-27-09	20907001-TL47LS	Southwestern corner; sawtooth containment; southern punch-out window; window sill; from previously removed gypsum board	Heavy	Very few	None	None	Background
07-27-09	20907001-TL48LS	Southeastern saw tooth containment; Column J18; southern partition wall at southeastern corner; from reverse side of previously removed gypsum board	Moderate	Very few	None	None	Background
07-27-09	20907001-TL49LS	Southeastern; saw tooth containment; Column at southeastern corner of southern middle window; western partition wall; from reverse side of previously removed gypsum board	Heavy	Variety	None	Very few <i>Chaetomium</i> spores detected.	Possible settling from fungal growth in vicinity
07-27-09	20907001-TL50LS	Southeastern saw tooth containment; southern punch-out window; window sill; about center; from reverse side of previously removed gypsum board	Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-28-09	20907001-TL01KT	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment; western perimeter wall cavity; about center; approximately two inches above floor; from vertical surface of metal stud	Heavy	Few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

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**TABLE 20906001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009**

Page 1

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20906001- TM5001OUTLS	20906001- TM5003LS	20906001- TM5004LS	20906001- TM5005LS
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet north of building; approximately five feet above ground/Normal outdoor activities	Janitor Closet; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Men's Restroom; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Women's Restroom; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	06-17-09	06-17-09	06-17-09	06-17-09
START/STOP	11:37:00/11:42:00	12:10:00/12:15:00	12:35:00/12:40:00	13:00:00/13:05:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	27			
Ascospores	480			
Basidiospores	960	110		
Bipolaris/Drechslera group	13			
Botrytis				
Cercospora				
Chaetomium				
Cladosporium	1,700	110		53
Epicoccum				
Nigrospora				
Oidium				
Other brown		13		
Penicillium/Aspergillus types	590	110	210	
Pithomyces				
Rusts	27	27		27
Smuts, Periconia, Myxomycetes	80	13		40
Stachybotrys				
Stemphylium				
Torula	80			
Ulocladium				
Hyphal fragments	53	<13	<13	<13
Background debris*	2+	2+	2+	2+
TOTAL**	3,900	370	210	120

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



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**TABLE 20906001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009**

Page 2

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20906001- TM5006AR	20906001- TM5007AR	20906001- TM5008OUTLS	20907001- TM32OUTLS
SAMPLING LOCATION/ACTIVITIES	Storage Room 4C; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Storage Room 4B; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 15 feet north of building; approximately five feet above ground/Normal outdoor activities	Outdoors; about 15 feet northeast of building; approximately five feet above ground/Normal outdoor activities
DATE	06-17-09	06-17-09	06-17-09	07-24-09
START/STOP	13:16:00/13:21:00	13:45:00/13:50:00	14:06:00/14:11:00	15:06:00/15:11:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores			270	270
Basidiospores			1,500	430
Bipolaris/Drechslera group				
Botrytis				
Cercospora			93	
Chaetomium			53	
Cladosporium	53	53	2,100	1,400
Epicoccum			13	
Nigrospora			13	
Oidium				
Other brown				
Penicillium/Aspergillus types	53	160	430	110
Pithomyces				
Rusts		13		40
Smuts, Periconia, Myxomycetes	13		360	110
Stachybotrys			13	
Stemphylium			13	
Torula				40
Ulocladium				
Hyphal fragments	13	13	150	150
Background debris*	2+	2+	3+	2+
TOTAL**	120	230	4,900	2,400

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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TABLE 20906001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 3

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20907001- TM33LS	20907001- TM21OUTLS	20907001- TM22LS	20907001- TM23LS
SAMPLING LOCATION/ACTIVITIES	Northeastern hallway; drinking fountain area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern corner; sawtooth containment; western punch-out window area; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-24-09	07-30-09	07-30-09	07-30-09
START/STOP	15:26:00/15:31:00	15:35:00/15:40:00	16:12:00/16:17:00	16:44:00/16:49:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		27	13	
Ascospores		320		
Basidiospores		2,500		
Bipolaris/Drechslera group				
Botrytis				
Cercospora				
Chaetomium				
Cladosporium	110	1,500	53	53
Epicoccum				
Nigrospora		13		
Oidium		13		
Other brown				
Penicillium/Aspergillus types	110	710		53
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	13	160		
Stachybotrys				
Stemphylium		13		
Torula		40		
Ulocladium				
Hyphal fragments	<13	110	13	<13
Background debris*	2+	2+	3+	2+
TOTAL**	230	5,200	67	110

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 4

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20907001-TM24LS	20907001-TM25LS	20907001-TM26LS	20907001-TM27OUTLS
SAMPLING LOCATION/ACTIVITIES	Southwestern corner; sawtooth containment; southern punch-out window area; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; sawtooth containment; southern punch-out window area; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; sawtooth containment; eastern punch-out window area; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 15 feet northeast of building; approximately five feet above ground/Normal outdoor activities
DATE	07-30-09	07-30-09	07-30-09	07-30-09
START/STOP	16:51:00/16:56:00	17:28:00/17:33:00	17:35:00/17:40:00	18:07:00/18:12:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				120
Ascospores				530
Basidiospores	53			2,900
Bipolaris/Drechslera group				
Botrytis				
Cercospora				
Chaetomium				
Cladosporium				5,900
Epicoccum				40
Nigrospora				
Oidium				27
Other brown				27
Penicillium/Aspergillus types		53		480
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				210
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	310
Background debris*	2+	2+	2+	2+
TOTAL**	53	53	<13	10,000

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20907001- TM101OUTAR	20907001- TM102	20907001- TM103	20907001- TM104
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet north of building; approximately five feet above ground/Normal outdoor activities	Northwestern corner; northern punch-out window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern corner; western punch-out window area; within containment; about center approximately five feet above floor/Post abatement; sampling activities only	Northeastern corner; eastern punch-out window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-31-09	07-31-09	07-31-09	07-31-09
START/STOP	15:35:00/15:40:00	16:09:00/16:14:00	16:20:00/16:25:00	16:38:00/16:43:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	67			
Ascospores	370			
Basidiospores	1,600			
Bipolaris/Drechslera group				
Botrytis				
Cercospora				
Chaetomium	13			
Cladosporium	1,400			53
Epicoccum				
Nigrospora	13			
Oidium				
Other brown	13			
Penicillium/Aspergillus types	430			
Pithomyces				
Rusts	13			
Smuts, Periconia, Myxomycetes	40			
Stachybotrys				
Stemphylium				
Torula	40			
Ulocladium				
Hypal fragments	27	<13	<13	<13
Background debris*	3+	1+	1+	1+
TOTAL**	4,000	<13	<13	53

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

**TABLE 20906001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009**

Page 6

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20907001- TM105	20908001- TM01OUTKT	20908001- TM02KT	
SAMPLING LOCATION/ACTIVITIES	Northeastern corner; northern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment; about two feet east of western perimeter wall; approximately five feet above floor/Post abatement; sampling activities only	This column intentionally left blank
DATE	07-31-09	08-04-09	08-04-09	
START/STOP	16:49:00/16:54:00	14:20:00/14:25:00	14:41:00/14:46:00	
SAMPLE TIME	5 minutes	5 minutes	5 minutes	
Alternaria		27		
Ascospores		53		
Basidiospores	53	110		
Bipolaris/Drechslera group				
Botrytis		13		
Cercospora				
Chaetomium				
Cladosporium		690		
Epicoccum		27		
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		270	110	
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes		210		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	160	<13	
Background debris*	1+	2+	3+	
TOTAL**	53	1,400	110	

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 1

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-17-09	20906001-TL5003LS	Janitor Closet; within containment; southern partition wall cavity; about two feet east of western partition wall; approximately one inch above floor; from vertical surface of metal stud rail	Light	None	None	None	Background
06-17-09	20906001-TL5004LS	Janitor Closet; within containment; western partition wall; about center; approximately six inches above floor; from vertical surface of second layer gypsum board	Moderate	Very few	None	None	Background
06-17-09	20906001-TL5005LS	Janitor Closet; within containment; subfloor; about center; from horizontal surface of concrete	Light	None	None	None	Background
06-17-09	20906001-TL5006LS	Men's Restroom; within containment; eastern partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Scant	None	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 2

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-17-09	20906001-TL5007LS	Men's Restroom; within containment; northern towel dispenser area; floor; from horizontal surface of concrete	Light	None	None	None	Background
06-17-09	20906001-TL5008LS	Women's Restroom; within containment; western partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Scant	None	None	None	Background
06-17-09	20906001-TL5009LS	Women's Restroom; within containment; southern towel dispenser area; floor; about center; from horizontal surface of concrete	Light	None	None	None	Background
06-17-09	20906001-TL5010AR	Storage Room 4C; within containment; ceiling plenum; western partition wall; about one foot south of northern partition wall; approximately one foot above ceiling; from vertical surface of second layer gypsum board	Moderate	None	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 3

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-17-09	20906001-TL5011AR	Storage Room 4C; within containment; ceiling cavity along western partition wall; approximately one foot east of western partition wall; from horizontal surface of metal frame	Light	None	None	None	Background
06-17-09	20906001-TL5012AR	Storage Room 4C; within containment; ceiling plenum; eastern partition wall; approximately one foot above ceiling line; from vertical surface of second layer gypsum board	Moderate	Very few	None	None	Background
06-17-09	20906001-TL5013AR	Storage Room 4C; within containment; ceiling cavity along eastern partition wall; about one foot west of eastern partition wall; from horizontal surface of metal framing	Scant	None	None	None	Background
06-17-09	20906001-TL5014AR	Storage Room 4B; within containment; ceiling plenum; eastern partition wall; approximately one foot above ceiling line; from vertical surface of second layer gypsum board	Moderate	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 4

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
06-17-09	20906001-TL5015AR	Storage Room 4B; within containment; ceiling cavity along eastern partition wall; about one foot west of eastern partition wall; from horizontal surface of metal framing	Light	Very few	None	None	Background
07-24-09	20907001-TL32LS	Northeastern Drinking Fountain area; within containment; western partition wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	None	None	Background
07-30-09	20907001-TL21LS	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment; western perimeter wall cavity; about four feet north of southern end of cavity; approximately three inches above floor; from vertical surface of gypsum board	Moderate	None	< 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)***	None	Minimal fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 5

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-30-09	20907001-TL22LS	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment;; western perimeter wall cavity; about six feet north of southern end of cavity; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
07-30-09	20907001-TL25LS	Southeastern corner; sawtooth containment; southern punch-out window; windowsill; about center; from horizontal surface of metal	Light	Very few	None	None	Background
07-30-09	20907001-TL26LS	Southeastern corner; sawtooth containment; subfloor; about two feet northwest of southeastern corner column; from horizontal surface of concrete	Light	Very few	None	None	Background
07-30-09	20907001-TL27LS	Southeastern corner; sawtooth containment; eastern punch-out window area; eastern perimeter wall cavity; about center; approximately three inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20906001-9
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
4TH FLOOR
SACRAMENTO, CALIFORNIA
JUNE, JULY, AND AUGUST, 2009

Page 6

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
08-04-09	20908001-TL01KT	Area between Column M23 & L23; Cubicle 139.01 & 142 area; within containment; western perimeter wall cavity; about four feet north of southern end of cavity; approximately 12 inches above floor; from vertical surface of gypsum board	Scant	None	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

*** Data did not meet clearance criteria (subsequently passed on 08-04-09-TL01KT)



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 550865

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-15-2009

Project SOPs: Direct microscopic exam (Qualitative) (I100005)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-11-2009
 Date of Receipt: 06-12-2009
 Date of Report: 06-15-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2444861-1: Tape sample 20906001-TL201LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2444862-1: Tape sample 20906001-TL202LS				
Light	None	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores) 3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2444863-1: Tape sample 20906001-TL203LS				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2444864-1: Tape sample 20906001-TL204LS				
Moderate	Very few	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth

‡ A "Version" greater than 1 indicates amended data.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 550867

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-15-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20906001

Date of Sampling: 06-11-2009
 Date of Receipt: 06-12-2009
 Date of Report: 06-15-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2444877-1: Tape sample 20906001-TL101AR				
Heavy	Few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2444878-1: Tape sample 20906001-TL102AR				
Moderate	Few	3+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 550862

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-15-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20906001

Date of Sampling: 06-11-2009
 Date of Receipt: 06-12-2009
 Date of Report: 06-15-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2444837-1: Tape sample 20906001-TL301LS				
Very Heavy	Few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Ulocladium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 2444838-1: Tape sample 20906001-TL302LS				
Heavy	Very few	2+ Brown hyphae with no associated spores, ID unknown. (hyphae) < 1+ <i>Ulocladium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 2444839-1: Tape sample 20906001-TL303LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2444840-1: Tape sample 20906001-TL304LS				
Moderate	Very few	None	None	Normal trapping

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 551346

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-16-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20906001

Date of Sampling: 06-12-2009
 Date of Receipt: 06-15-2009
 Date of Report: 06-16-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2447517-1: Tape sample 20906001 TL205LS				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2447518-1: Tape sample 20906001 TL206LS				
Moderate	Very few	3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 551787

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-17-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20906001

Date of Sampling: 06-15-2009
 Date of Receipt: 06-16-2009
 Date of Report: 06-17-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2448679-1: Tape sample 20906001-TL201AR				
Heavy	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) < 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2448680-1: Tape sample 20906001-TL202AR				
Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2448681-1: Tape sample 20906001-TL203AR				
Moderate	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20907001
 EML ID: 557751

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-06-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20907001

Date of Sampling: 07-01-2009
 Date of Receipt: 07-06-2009
 Date of Report: 07-06-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2474833-1: Tape sample 20907001-TL01CL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 2474834-1: Tape sample 20907001-TL02CL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 2474835-1: Tape sample 20907001-TL03CL				
Moderate	Few	None	None	Normal trapping

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20907001
 EML ID: 563690

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-24-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20907001

Date of Sampling: 07-23-2009
 Date of Receipt: 07-24-2009
 Date of Report: 07-24-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2499926-1: Tape sample 20907001-TL90LS				
Heavy	Very few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20907001
 EML ID: 564582

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-29-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20907001

Date of Receipt: 07-28-2009
 Date of Report: 07-29-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2503770-1: Tape sample 20907001-TL47LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2503771-1: Tape sample 20907001-TL48LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2503772-1: Tape sample 20907001-TL49LS				
Heavy	Variety	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2503773-1: Tape sample 20907001-TL50LS				
Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20907001
 EML ID: 565835

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 08-03-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20907001

Date of Sampling: 07-28-2009
Date of Receipt: 07-31-2009
Date of Report: 08-03-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2509222-1: Tape sample 20907001-TL01KT				
Heavy	Few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 552586

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 06-18-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

DIRECT MICROSCOPIC EXAMINATION REPORT
 (Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments‡†	General Impression
Lab ID-Version‡: 2452371-1: Tape sample 20906001-TL5003LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452372-1: Tape sample 20906001-TL5004LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452373-1: Tape sample 20906001-TL5005LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452374-1: Tape sample 20906001-TL5006LS				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 2452375-1: Tape sample 20906001-TL5007LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452376-1: Tape sample 20906001-TL5008LS				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 2452377-1: Tape sample 20906001-TL5009LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452378-1: Tape sample 20906001-TL5010AR				
Moderate	None	None	None	No mold spores detected
Lab ID-Version: 2452379-1: Tape sample 20906001-TL5011AR				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452380-1: Tape sample 20906001-TL5012AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452381-1: Tape sample 20906001-TL5013AR				
Scant	None	None	None	No mold spores detected

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2452382-1: Tape sample 20906001-TL5014AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452383-1: Tape sample 20906001-TL5015AR				
Light	Very few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 552586

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Direct microscopic exam (Qualitative): 06-18-2009
Spore trap analysis: 06-18-2009

Project SOPs: Direct microscopic exam (Qualitative) (I100005), Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20906001-TM5003LS		20906001-TM5004LS		20906001-TM5005LS		20906001-TM5006AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2452384-1		2452385-1		2452386-1		2452387-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	2	110						
Bipolaris/Drechslera group								
Botrytis								
Cercospora								
Chaetomium								
Cladosporium	2	110			1	53	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Penicillium/Aspergillus types†	2	110	4	210			1	53
Pithomyces								
Rusts*	2	27			2	27		
Smuts*, Periconia, Myxomycetes*	1	13			3	40	1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		13	
Pollen/m3	< 13		13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORE/m3		370		210		120		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.
 TestAmerica Environmental Microbiology Laboratory, Inc.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20906001

Date of Sampling: 06-17-2009
Date of Receipt: 06-18-2009
Date of Report: 06-18-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20906001-TM5007AR		20906001-TM5008OUTLS	
Comments (see below)	None		None	
Lab ID-Version‡:	2452388-1		2452389-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			5	270
Aureobasidium				
Basidiospores*			29	1,500
Bipolaris/Drechslera group				
Botrytis				
Cercospora			7	93
Chaetomium			4	53
Cladosporium	1	53	39	2,100
Curvularia				
Epicoccum			1	13
Fusarium				
Myrothecium				
Nigrospora			1	13
Other brown				
Other colorless				
Penicillium/Aspergillus types†	3	160	8	430
Pithomyces				
Rusts*	1	13		
Smuts*, Periconia, Myxomycetes*			27	360
Stachybotrys			1	13
Stemphylium			1	13
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		3+	
Hyphal fragments/m3	13		150	
Pollen/m3	< 13		67	
Skin cells (1-4+)	1+		< 1+	
Sample volume (liters)	75		75	
§ TOTAL SPORE/m3		230		4,900

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20906001

Date of Sampling: 06-17-2009
Date of Receipt: 06-18-2009
Date of Report: 06-18-2009

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20906001-TM5008OUTLS**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: June				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	40	380	65	7	27	220	57
Bipolaris/Drechslera group	-	7	13	180	18	7	13	120	13
Chaetomium	53	7	13	120	15	7	13	120	19
Cladosporium	2,100	53	650	8,600	97	53	630	6,700	97
Curvularia	-	7	13	460	13	7	13	230	7
Epicoccum	13	7	20	350	31	7	13	160	19
Nigrospora	13	7	13	160	10	7	13	170	8
Penicillium/Aspergillus types	430	27	190	2,100	79	33	210	2,500	86
Stachybotrys	13	7	13	350	3	7	13	290	5
Stemphylium	13	7	13	67	7	7	13	67	9
Torula	-	7	13	160	16	7	13	150	12
Seldom found growing indoors**									
Ascospores	270	13	190	7,200	82	13	110	1,900	71
Basidiospores	1,500	13	270	15,000	93	13	210	7,000	93
Cercospora	93	7	20	240	9	7	13	130	1
Rusts	-	7	13	210	27	7	13	250	28
Smuts, Periconia, Myxomycetes	360	10	58	1,300	81	8	40	490	70
TOTAL SPORES/M3	4,858								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20906001-TM5008OUTLS:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				270	13 - 160 - 4,500	76
Basidiospores				1,500	13 - 310 - 15,000	91
Cercospora				93	7 - 27 - 440	9
Chaetomium				53	7 - 13 - 130	12
Cladosporium				2,100	27 - 510 - 8,900	93
Epicoccum				13	7 - 14 - 320	24
Nigrospora				13	7 - 13 - 210	15
Penicillium/Aspergillus types				430	27 - 210 - 2,500	80
Smuts, Periconia, Myxomycetes				360	7 - 40 - 830	69
Stachybotrys				13	7 - 13 - 370	3
Stemphylium				13	7 - 13 - 67	5
Total				4,858		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 20906001-TM5003LS

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 7%	dF: 4 Result: 6.1000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4706	dF: 13 Result: 0.5151 Critical value: 0.4780 Outside Similar: Yes	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				110
	Cladosporium				110
	Other brown				13
	Penicillium/Aspergillus types				110
	Rusts				27
	Smuts, Periconia, Myxomycetes				13
	Total				383

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20906001-TM5004LS

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 4 Result: 6.1000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.1667	dF: 11 Result: 0.5477 Critical value: 0.5273 Outside Similar: Yes	Score: 130 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					210
Total					210

Location: 20906001-TM5005LS

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 4 Result: 6.1000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 12 Result: 0.4091 Critical value: 0.4965 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					27
Smuts, Periconia, Myxomycetes					40
Total					120

Location: 20906001-TM5006AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 4 Result: 6.1000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4286	dF: 11 Result: 0.7341 Critical value: 0.5273 Outside Similar: Yes	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20906001-TM5007AR

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 4 Result: 6.1000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 12 Result: 0.4371 Critical value: 0.4965 Outside Similar: No	Score: 122 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					
Penicillium/Aspergillus types					
Rusts					
Total					

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

MoldSCORE™: Spore Trap Report

Location: 20906001-TM5004LS

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				4	210	█	█		130
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						210	Final MoldSCORE 130			

Location: 20906001-TM5005LS

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium	█				1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts	█				2	27	█	█		111
Smuts, Periconia, Myxomycetes††	█				3	40	█	█		106
Total						120	Final MoldSCORE 106			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

MoldSCORE™: Spore Trap Report

Location: 20906001-TM5006AR

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					1	53				107
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					1	13				101
Total						119				Final MoldSCORE 107

Location: 20906001-TM5007AR

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					3	160				122
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					1	13				105
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						226				Final MoldSCORE 122

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20906001

Date of Sampling: 06-17-2009
Date of Receipt: 06-18-2009
Date of Report: 06-18-2009

MoldSCORE™: Spore Trap Report

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20906001

Date of Sampling: 06-17-2009
 Date of Receipt: 06-18-2009
 Date of Report: 06-18-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2452371-1: Tape sample 20906001-TL5003LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452372-1: Tape sample 20906001-TL5004LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452373-1: Tape sample 20906001-TL5005LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452374-1: Tape sample 20906001-TL5006LS				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 2452375-1: Tape sample 20906001-TL5007LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452376-1: Tape sample 20906001-TL5008LS				
Scant	None	None	None	No mold spores detected
Lab ID-Version: 2452377-1: Tape sample 20906001-TL5009LS				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452378-1: Tape sample 20906001-TL5010AR				
Moderate	None	None	None	No mold spores detected
Lab ID-Version: 2452379-1: Tape sample 20906001-TL5011AR				
Light	None	None	None	No mold spores detected
Lab ID-Version: 2452380-1: Tape sample 20906001-TL5012AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452381-1: Tape sample 20906001-TL5013AR				
Scant	None	None	None	No mold spores detected

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2452382-1: Tape sample 20906001-TL5014AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2452383-1: Tape sample 20906001-TL5015AR				
Light	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20906001
 EML ID: 552425

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 06-17-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20906001

Date of Sampling: 06-17-2009
Date of Receipt: 06-17-2009
Date of Report: 06-17-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20906001-TM5001OUTLS		20906001-TM5002LS	
Comments (see below)	None		None	
Lab ID-Version‡:	2451776-1		2451777-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27		
Arthrinium				
Ascospores*	9	480		
Aureobasidium				
Basidiospores*	18	960	1	53
Bipolaris/Drechslera group	1	13		
Botrytis				
Chaetomium				
Cladosporium	31	1,700		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other colorless				
Penicillium/Aspergillus types†	11	590	1	53
Pithomyces				
Rusts*	2	27		
Smuts*, Periconia, Myxomycetes*	6	80		
Stachybotrys				
Stemphylium				
Torula	6	80		
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	53		< 13	
Pollen/m3	130		< 13	
Skin cells (1-4+)	< 1+		< 1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		3,900		110

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20907001
 EML ID: 564160

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-27-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20907001

Date of Sampling: 07-24-2009
 Date of Receipt: 07-27-2009
 Date of Report: 07-27-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2501883-1: Tape sample 20907001-TL32LS				
Heavy	Very few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20907001
 EML ID: 564160

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-27-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20907001

Date of Sampling: 07-24-2009
Date of Receipt: 07-27-2009
Date of Report: 07-27-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20907001-TM32OUTLS		20907001-TM33LS	
Comments (see below)	None		None	
Lab ID-Version‡:	2501884-1		2501885-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*	5	270		
Aureobasidium				
Basidiospores*	8	430		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	26	1,400	2	110
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other colorless				
Penicillium/Aspergillus types†	2	110	2	110
Pithomyces				
Rusts*	3	40		
Smuts*, Periconia, Myxomycetes*	8	110	1	13
Stachybotrys				
Stemphylium				
Torula	3	40		
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	150		< 13	
Pollen/m3	93		13	
Skin cells (1-4+)	< 1+		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		2,400		230

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20907001
EML ID: 565847

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-31-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20907001

Date of Sampling: 07-30-2009
 Date of Receipt: 07-31-2009
 Date of Report: 07-31-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2509230-1: Tape sample 20907001-TL21LS				
Moderate	None	< 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2509231-1: Tape sample 20907001-TL22LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2509232-1: Tape sample 20907001-TL25LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2509233-1: Tape sample 20907001-TL26LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2509234-1: Tape sample 20907001-TL27LS				
Light	Very few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20907001
 EML ID: 565847

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-31-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20907001

Date of Sampling: 07-30-2009
Date of Receipt: 07-31-2009
Date of Report: 07-31-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20907001- TM21OUTLS		20907001- TM22LS		20907001- TM23LS		20907001- TM24LS	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	2509235-1		2509236-1		2509237-1		2509238-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27	1	13				
Arthrinium								
Ascospores*	6	320						
Aureobasidium								
Basidiospores*	46	2,500					1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	28	1,500	1	53	1	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	1	13						
Oidium	1	13						
Other brown								
Penicillium/Aspergillus types†	20	710			1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	12	160						
Stachybotrys								
Stemphylium	1	13						
Torula	3	40						
Ulocladium								
Background debris (1-4+)††	2+		3+		2+		2+	
Hyphal fragments/m3	110		13		< 13		< 13	
Pollen/m3	27		< 13		< 13		< 13	
Skin cells (1-4+)	None		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		5,200		67		110		53

Comments: A) 9 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20907001

Date of Sampling: 07-30-2009
Date of Receipt: 07-31-2009
Date of Report: 07-31-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20907001-TM25LS		20907001-TM26LS		20907001-TM27OUTLS	
Comments (see below)	None		B		None	
Lab ID-Version‡:	2509239-1		2509240-1		2509241-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					9	120
Arthrinium						
Ascospores*					10	530
Aureobasidium						
Basidiospores*					55	2,900
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium					110	5,900
Curvularia						
Epicoccum					3	40
Fusarium						
Myrothecium						
Nigrospora						
Oidium					2	27
Other brown					2	27
Penicillium/Aspergillus types†	1	53			9	480
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*					16	210
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		310	
Pollen/m3	< 13		< 13		80	
Skin cells (1-4+)	1+		1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		< 13		10,000

Comments: B) No spores detected.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

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The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20907001
 EML ID: 566298

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 08-03-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20907001

Date of Receipt: 08-03-2009
Date of Report: 08-03-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20907001-TM101OUTAR		20907001-TM102		20907001-TM103		20907001-TM104		20907001-TM105	
Comments (see below)	None		A		A		None		None	
Lab ID-Version‡:	2511931-1		2511932-1		2511933-1		2511934-1		2511935-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	5	67								
Arthrinium										
Ascospores*	7	370								
Aureobasidium										
Basidiospores*	30	1,600							1	53
Bipolaris/Drechslera group										
Botrytis										
Chaetomium	1	13								
Cladosporium	27	1,400					1	53		
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora	1	13								
Other brown	1	13								
Penicillium/Aspergillus types†	8	430								
Pithomyces										
Rusts*	1	13								
Smuts*, Periconia, Myxomycetes*	3	40								
Stachybotrys										
Stemphylium										
Torula	3	40								
Ulocladium										
Background debris (1-4+)††	3+		1+		1+		1+		1+	
Hyphal fragments/m3	27		< 13		< 13		< 13		13	
Pollen/m3	120		13		13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		< 1+		< 1+		1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		4,000		< 13		< 13		53		53

Comments: A) No spores detected.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for sample volumes when evaluating dust levels.

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20908001
 EML ID: 567183

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 08-05-2009

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20908001

Date of Sampling: 08-04-2009
 Date of Receipt: 08-04-2009
 Date of Report: 08-05-2009

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2515658-1: Tape sample 20908001-TL01KT				
Scant	None	None	None	No mold spores detected

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20908001
 EML ID: 567183

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 08-05-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20908001

Date of Sampling: 08-04-2009
Date of Receipt: 08-04-2009
Date of Report: 08-05-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20908001-TM01OUTKT		20908001-TM02KT	
Comments (see below)	None		None	
Lab ID-Version‡:	2515659-1		2515660-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27		
Arthrinium				
Ascospores*	1	53		
Aureobasidium				
Basidiospores*	2	110		
Bipolaris/Drechslera group				
Botrytis	1	13		
Chaetomium				
Cladosporium	13	690		
Curvularia				
Epicoccum	2	27		
Fusarium				
Myrothecium				
Nigrospora				
Other colorless				
Penicillium/Aspergillus types†	5	270	2	110
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*	16	210		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		3+	
Hyphal fragments/m3	160		< 13	
Pollen/m3	< 13		13	
Skin cells (1-4+)	< 1+		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		1,400		110

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



Request For Analysis

Project Number/~~Purchase Order~~: 20906001 Date Submitted: 6/17/19
 Project Contact: W. Frey Turnaround Required: Push (same day)
 Lab Destination: EM LAB p.k. Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20906001 TM5003LS	75L	Allergenic D	M L O O
20906001 TM5004LS			
20906001 TM5005LS			
20906001 TM5006AR			
20906001 TM5007AR			
20906001 TM5008OUTLS	NC		
20906001 TL5003LS	NC/A	Bov-Tape	M III
TL5004LS			
TL5005LS			
TL5006LS			
TL5007LS			
TL5008LS			
TL5009LS			
TL5010 ^{ALL}			
TL5011 ^{AR}			
TL5012 ^{AR}			

Special Instructions: _____

1. Sampled by: Anthony B on 6/17/19 Received by: Handman 6/17/19 @ 16:00
 2. Relinquished by: [Signature] @ 11:35 Received by: _____
 3. Relinquished by: Handman 6/17/19 @ 17:30 Received by: STANGENBERG 6/18/19 9:30AM
 Please include signature, date, and time

Lab Use Only: _____



Request For Analysis

Project Number/~~Purchase Order~~: 20907001 Date Submitted: 7/30/09
 Project Contact: W. Frey Turnaround Required: Rush (same day)
 Lab Destination: Em Lab PGIC Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20907001 TM210LS	75L	Air-o-cell	Spore Trap
TM215LS			
TM23LS			
TM24LS			
TM25LS			
TM26LS			
TM2700LS	X		
TL21LS	N/A	BTO-Tape	Direct Microscopic Examination ^{Qualitative}
TL22LS			
TL25LS			
TL26LS			
TL27LS			

Special Instructions: _____

1. Sampled by: Handlen on 7/30/09 @ 15:30 Received by: _____
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: Handlen on 7/31/09 @ 09:50 Received by: [Signature] 7/31/09 9:50am
 Please include signature, date, and time

Lab Use Only: W.

