



HYGIENETECH

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July 30, 2010

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

Document No. 20911001.2

Attention: David Gau

Regarding: Fungal Growth Remediation Monitoring and Clearance Surveys
16th Floor

Dear Mr. Gau:

On various dates in November of 2009, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) monitored fungal growth remediation activities and conducted fungal growth remediation clearances on the 16th 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 LaCroix Davis, LLC (LCD), an industrial hygiene consulting firm contracted with the State of California Department of General Services (DGS). The fungal growth remediation protocols for the project were established 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 16th Floor abatement 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 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 20911001-10, 20911001-16, and 20911001-17.

Fungal growth remediation occurred in various areas of the 16th Floor including the Men's and Women's Restrooms, the northeastern and northwestern drinking fountain areas, the Janitor Closet, Quiet Room 1614 and the adjacent portion of Room 1602, and the southern and eastern punch-out window areas in the southeastern corner of the floor. During the remediation activities, HygieneTech observed and documented the removal of fungal growth-contaminated building materials and decontamination of 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 monometers. Such measures were utilized so that dispersion of airborne spores was limited to the enclosed areas. The analytical data with supporting and background information regarding the 16th Floor fungal growth remediation activities appear in the enclosed Table 20911001-10.

As shown in that table, the surface assessment data indicated fungal growth involving *Alternaria*, brown hyphae, brown spore types, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Penicillium*, *Stachybotrys*, and/or *Ulocladium* on various surfaces within the above mentioned remediation enclosures. Note that additional wall removal occurred in the southwestern corner southern and western punch-out window areas, the northwestern corner northern and western punch-out window areas, and the northeastern corner northern and eastern punch-out window areas, however, no evidence of fungal growth was observed at those locations.

Following the completion of the fungal growth remediation 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 remediation areas. Note, however, that some of the fungal growth affected gypsum board materials in the Men's Restroom, Janitor Closet, and the northeastern and northwestern drinking fountain containment areas were not removed during the remediation 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 their 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. Areas showing water staining but no evidence of fungal growth were also painted with the Foster® Full Defense™ product.

On the survey dates, the airborne total fungi data recorded indoors showed low levels of common fungi including basidiospores, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, smuts, rusts, and/or *Torula*. The spore types detected indoors matched those found outdoors and the overall spore counts within the containments were well below the overall datum recorded outdoors. 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 one percent of the outdoor data on any of the survey dates. Similarly, as shown in Table 20911001-17, 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 abated building material surfaces tested. 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 therefore 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.

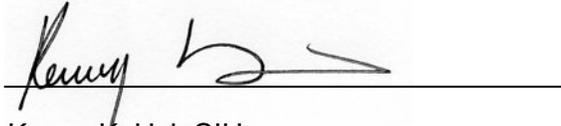


Although not expected, if persons entering the 16th Floor do experience non-specific ill effects, such as eye irritation, allergy symptoms, headache, or skin rash, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. 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 horizontal line.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20911001-10
SURFACE FUNGAL GROWTH POTENTIALS
ABATEMENT MONITORING
16TH FLOOR
SACRAMENTO, CALIFORNIA
NOVEMBER, 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
11/3/09	20911001-TL03LS	Women's Restroom; within containment; central sink cabinetry area; particle board; about center; from horizontal surface of wood	Very Heavy	Very Few	1+ brown spore type, ID unknown (spores, hyphae)	Moderate amounts of <i>Chaetomium</i> spores detected. Heavy amounts of dark amorphous particles detected, not biological in appearance	Fungal growth
11/3/09	20911001-TL04LS	Men's Restroom; within containment; northern sink cabinetry area; particle board; about center; from horizontal surface of wood	Very Heavy	Very Few	1+ brown spore type, ID unknown (spores, hyphae)	Many dark amorphous particles detected, not biological in appearance	Fungal growth
11/3/09	20911001-TL05LS	Men's Restroom; within containment; sink cabinetry area; eastern partition wall; about center; approximately 18 inches above floor; from vertical surface of gypsum board	Heavy	Very Few	2+ colorless hyphae with no associated spores, ID unknown. (hyphae)	Many <i>Ulocladium</i> spores detected. Moderate amounts of colorless spores typical of <i>Penicillium/Aspergillus</i> detected.	Fungal growth
11/3/09	20911001-TL06LS	Women's Restroom; within containment; sink cabinetry area; western partition wall; about center; approximately 18 inches above floor; from vertical surface of gypsum board	Very Heavy	Very Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	Many <i>Chaetomium</i> spores detected.	Fungal growth
11/3/09	20911001-TL07LS	Janitor Closet; within containment; sink area; northern partition wall; about center; approximately one inch above floor; from reverse side of gypsum board	Very 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).

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



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SACRAMENTO, CALIFORNIA
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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
11/3/09	20911001-TL08LS	Men's Restroom; within containment; eastern partition wall cavity at northern towel dispenser area; approximately 18 inches above floor; from vertical surface of elevator shaft wall gypsum board	Very Heavy	Very Few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) <1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth
11/4/09	20911001-TL09LS	Men's Restroom; within containment; southern toilet area; at southwestern corner; western partition wall cavity interior; approximately one foot above floor; from vertical surface of stairwell wall gypsum board	Moderate	Very Few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
11/4/09	20911001-TL10LS	Janitor Closet; within containment; sink area; eastern partition wall cavity; about center; approximately one inch above floor; from vertical surface of second layer gypsum board	Heavy	Very Few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
11/4/09	20911001-TL11LS	Men's Restroom; within containment; walk-in cavity north of northern towel dispenser; eastern partition wall at southern end; about five feet above floor; from reverse side of gypsum board	Heavy	Few	None	Very few <i>Chaetomium</i> spores detected	Possible settling from fungal growth in vicinity
11/6/09	20911001-TL14LS	Room 1620; eastern punch-out window area; within containment; eastern perimeter wall; about one foot south of window; approximately one inch above floor; from reverse side of gypsum board	Very 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).

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



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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
11/9/09	20911001-TL15LS	Southeastern corner; within containment; southern punch-out window; windowsill at eastern end; from reverse side of gypsum board	Very Heavy	Very Few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 4+ Colorless spores typical of <i>Penicillium/Aspergillus</i> species (spores, hyphae) 4+ <i>Chaetomium</i> species (ascospores, ascomyta, hyphae)	None	Fungal growth
11/9/09	20911001-TL16LS	Southeastern corner; within containment; eastern punch-out window; windowsill at northern end; from vertical surface of gypsum board	Moderate	Very Few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
11/9/09	20911001-TL17LS	Southeastern corner; within containment; central southern window area north of eastern punch-out window; southern perimeter wall at western end; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Variety	None	None	Background
11/9/09	20911001-TL18LS	Quiet Room 1614; within containment; southern partition wall at southeast corner; from reverse side of gypsum board	Heavy	Very few	1+ Brown hyphae with no associated spores, ID unknown (hyphae)	None	Fungal growth
11/12/9	20911001-TL41LS	Northeast drinking fountain area; within containment; southern partition wall; about center; approximately one inch above floor; from reverse side of gypsum board	Very Heavy	Very Few	<1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) <1+ <i>Alternaria</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+.

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TABLE 20911001-10
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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
11/12/9	20911001-TL42LS	Northeast drinking fountain; within containment; southern partition wall cavity interior at southwestern corner; approximately six inches above floor; from vertical surface of plumbing chase gypsum board	Moderate	Very Few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
11/12/9	20911001-TL43LS	Northwest drinking fountain; within containment; southern partition wall; about center; approximately one inch; from reverse side of gypsum board	Very Heavy	Very Few	<1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal fungal growth
11/12/9	20911001-TL44LS	Northwest drinking fountain; within containment; eastern partition wall cavity at northern end; approximately one inch above floor; from vertical surface of second layer gypsum board	Heavy	Very Few	3+ <i>Ulocladium</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).

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**TABLE 20911001-16
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
16TH FLOOR
SACRAMENTO, CALIFORNIA
NOVEMBER, 2009**

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

SAMPLE NUMBER	20911001-TM03OUTLS	20911001-TM04LS	20911001-TM05LS	20911001-TM0501OUTLS
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 20 feet east 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	Northwestern corner; northern punch-out 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
DATE	11-6-09	11-6-09	11-6-09	11-9-09
START/STOP	14:07:00/14:12:00	15:11:00/15:16:00	15:30:00/15:35:00	11:02:00/11:07:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	190			40
Ascospores	110			1,500
Basidiospores	270			10,000
Bipolaris/Drechslera group	13			
Botrytis	190			13
Chaetomium				13
Cladosporium	7,700			2,400
Curvularia				
Epicoccum				
Nigrospora	230			67
Other brown	13			13
Penicillium/Aspergillus types	6,800	53		210
Pithomyces				13
Rusts				40
Smuts, Periconia, Myxomycetes	13		13	110
Stachybotrys	27			
Stemphylium				
Torula	13			
Ulocladium				
Hyphal fragments	350	<13	<13	80
Background debris*	2+	2+	2+	3+
TOTAL**	16,000	53	13	14,000

*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+.

**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 20911001-16
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20911001-TM502LS	20911001-TM503LS	20911001-TM504LS	20911001-TM505LS
SAMPLING LOCATION/ACTIVITIES	Southwestern corner; western punch-out window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern corner; southern 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	11-9-09	11-9-09	11-9-09	11-9-09
START/STOP	11:38:00/11:43:00	11:53:00/11:58:00	12:07:00/12:12:00	12:23:00/12:28:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Nigrospora				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts	13			27
Smuts, Periconia, Myxomycetes	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background debris*	2+	1+	1+	1+
TOTAL**	80	<13	<13	27

*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 20911001-16
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16TH FLOOR
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20911001- TM506LS	20911001- TM507LS	20911001- TM508OUTLS	20911001- TM509OUTLS
SAMPLING LOCATION/ACTIVITIES	Women's Restroom; 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	Outdoors; about 20 feet east of building; approximately five feet above ground/Normal outdoor activities	Outdoors; about 20 feet east of building; approximately five feet above ground/Normal outdoor activities
DATE	11-9-09	11-9-09	11-9-09	11-10-09
START/STOP	12:43:00/12:48:00	13:03:00/13:08:00	13:15:00/13:20:00	10:07:00/10:12:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			13	80
Ascospores			1,200	1,300
Basidiospores			9,100	8,600
Bipolaris/Drechslera group				
Botrytis				150
Chaetomium				
Cladosporium	53		2,400	22,000
Curvularia				
Epicoccum				27
Nigrospora				27
Other brown				13
Penicillium/Aspergillus types	53	53	1,700	3,800
Pithomyces				
Rusts			93	1,200
Smuts, Periconia, Myxomycetes			210	710
Stachybotrys				
Stemphylium				
Torula			13	
Ulocladium				
Hyphal fragments	<13	<13	27	120
Background debris*	1+	2+	3+	3+
TOTAL**	110	53	15,000	38,000

*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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**TABLE 20911001-16
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20911001-TM510LS	20911001-TM22OUTAR	20911001-TM23AR	20911001-TM24AR
SAMPLING LOCATION/ACTIVITIES	Northeastern corner; northern punch-out 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	Southeastern corner; within containment; about five feet north of eastern punch-out window and about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; within containment; about five feet east of southern punch-out window and about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	11-10-09	11-11-09	11-11-09	11-11-09
START/STOP	10:53:00/10:58:00	14:25:00/14:30:00	14:40:00/14:45:00	14:46:00/14:51:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		67		
Ascospores		1,300		
Basidiospores		12,000		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		150		
Cladosporium		5,900		
Curvularia				
Epicoccum				
Nigrospora		160		
Other brown		13		
Penicillium/Aspergillus types		1,100		
Pithomyces				
Rusts		27		
Smuts, Periconia, Myxomycetes		67		
Stachybotrys				
Stemphylium		80		
Torula				
Ulocladium				
Hyphal fragments	<13	150	<13	<13
Background debris*	1+	2+	1+	1+
TOTAL **	<13	21,000	<13	<13

*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 20911001-16
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16TH FLOOR
SACRAMENTO, CALIFORNIA
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20911001-TM25AR	20911001-TM61OUTLS	20911001-TM62LS	20911001-TM63LS
SAMPLING LOCATION/ACTIVITIES	Room 1614; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 20 feet east of building; approximately five feet above floor/Normal outdoor activities	Northwestern drinking fountain area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northeastern drinking fountain area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	11-11-09	11-16-09	11-16-09	11-16-09
START/STOP	14:54:00/14:59:00	07:25:00/07:30:00	07:49:00/07:54:00	08:06:00/08:11:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Ascospores		110		
Basidiospores		6,700		53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	110	1,300		
Curvularia				
Epicoccum				
Nigrospora		27		
Other brown				
Penicillium/Aspergillus types		1,300		
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	13	27		
Stachybotrys				
Stemphylium				
Torula		80		
Ulocladium				13
Hyphal fragments	13	53	<13	<13
Background debris*	2+	4+	3+	3+
TOTAL**	120	9,500	<13	67

*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 20911001-17
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
16TH FLOOR
SACRAMENTO, CALIFORNIA
NOVEMBER, 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
11-6-09	20911001-TL12LS	Janitor Closet; within containment; sink area; northern partition wall cavity; about center; approximately one inch above floor; from vertical surface of metal stud	Moderate	Very few	None	None	Background
11-6-09	20911001-TL13LS	Janitor Closet; within containment; sink area; subfloor; about center; from horizontal surface of concrete	Moderate	Very few	None	None	Background
11-9-09	20911001-TL503LS	Women's Restroom; within containment; western partition wall cavity; about center; approximately 18 inches above floor; from vertical surface of elevator shaft wall gypsum board	Light	Very few	None	None	Background
11-9-09	20911001-TL504LS	Women's Restroom; within containment; western partition wall cavity; about center; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
11-9-09	20911001-TL505LS	Men's Restroom; within containment; eastern partition wall cavity; about center; approximately three inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
11-9-09	20911001-TL506LS	Men's Restroom; within containment; southern towel dispenser area; subfloor; about center; from horizontal surface of concrete	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 Background).

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20911001-17
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
16TH FLOOR
SACRAMENTO, CALIFORNIA
NOVEMBER, 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
11-11-09	20911001-TL01AR	Southeastern corner; within containment; eastern punch-out window; windowsill; about center; from horizontal surface of metal	Light	Very few	None	None	Background
11-11-09	20911001-TL02AR	Southeastern corner; within containment; southern perimeter wall cavity adjacent to southern punch-out window; about center; approximately one foot above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
11-9-09	20911001-TL03AR	Room 1614; within containment; southern partition wall cavity; about center; approximately three inches above floor; from reverse side of Room 1602 northern partition wall gypsum board	Moderate	Very few	None	None	Background
11-9-09	20911001-TL04AR	Room 1614; within containment; eastern partition wall cavity; about center; from horizontal surface of metal stud rail	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
11-16-09	20911001-TL61LS	Northwestern drinking fountain area; within containment; southern partition wall cavity; about center; approximately two 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 Background).

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20911001-17
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
16TH FLOOR
SACRAMENTO, CALIFORNIA
NOVEMBER, 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
11-16-09	20911001-TL62LS	Northwestern drinking fountain area; within containment; southern partition wall cavity; about center; approximately two feet above floor; from horizontal surface of metal	Light	Very few	None	None	Background
11-16-09	20911001-TL63LS	Northeastern drinking fountain area; within containment; southern partition wall cavity; about center; from horizontal surface of metal stud rail	Moderate	Very few	None	None	Background
11-16-09	20911001-TL64LS	Northeastern drinking fountain area; within containment; southern partition wall cavity; about center; approximately one inch above floor; from vertical surface of metal stud rail	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 Background).

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



Report for:

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

Regarding: Project: 20911001
EML ID: 598442

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-05-2009

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.

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: 20911001

Date of Sampling: 11-03-2009
 Date of Receipt: 11-04-2009
 Date of Report: 11-05-2009

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‡: 2654484-1: Tape sample 20911001-TL03LS				
Very Heavy	Very few	1+ brown spore type, ID unknown (spores, hyphae)	Moderate amounts of <i>Chaetomium</i> spores detected. Heavy amounts of dark amorphous particles detected, not biological in appearance.	Mold growth
Lab ID-Version: 2654485-1: Tape sample 20911001-TL04LS				
Very Heavy	Very few	1+ brown spore type, ID unknown (spores, hyphae)	Many dark amorphous particles detected, not biological in appearance.	Mold growth
Lab ID-Version: 2654486-1: Tape sample 20911001-TL05LS				
Heavy	Very few	2+ Colorless hyphae with no associated spores, ID unknown. (hyphae)	Many <i>Ulocladium</i> spores detected. Moderate amounts of colorless spores typical of <i>Penicillium/Aspergillus</i> detected.	Mold growth
Lab ID-Version: 2654487-1: Tape sample 20911001-TL06LS				
Very Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	Many <i>Chaetomium</i> spores detected.	Mold growth
Lab ID-Version: 2654488-1: Tape sample 20911001-TL07LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2654489-1: Tape sample 20911001-TL08LS				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth

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‡: 2654490-1: Tape sample 20911001-TL09LS				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2654491-1: Tape sample 20911001-TL10LS				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2654492-1: Tape sample 20911001-TL11LS				
Heavy	Few	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?

‡ 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: 20911001
 EML ID: 599623

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-09-2009

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: 20911001

Date of Sampling: 11-06-2009
 Date of Receipt: 11-09-2009
 Date of Report: 11-09-2009

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‡: 2659493-1: Tape sample 20911001-TL12LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2659494-1: Tape sample 20911001-TL13LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2659495-1: Tape sample 20911001-TL14LS				
Very 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
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20911001
 EML ID: 600000

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-10-2009

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: 20911001

Date of Sampling: 11-09-2009
 Date of Receipt: 11-10-2009
 Date of Report: 11-10-2009

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‡: 2660816-1: Tape sample 20911001-TL15LS				
Very Heavy	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 4+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Mold growth
Lab ID-Version: 2660817-1: Tape sample 20911001-TL16LS				
Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2660818-1: Tape sample 20911001-TL17LS				
Heavy	Variety	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: 20911001
 EML ID: 600277

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-11-2009

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: 20911001

Date of Sampling: 11-09-2009
 Date of Receipt: 11-10-2009
 Date of Report: 11-11-2009

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‡: 2662187-1: Tape sample 20911001-TL18LS				
Heavy	Very few	1+ Brown hyphae with no associated spores, ID unknown. (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
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20911001
 EML ID: 601932

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-17-2009

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.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20911001

Date of Sampling: 11-12-2009
 Date of Receipt: 11-16-2009
 Date of Report: 11-17-2009

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‡: 2669103-1: Tape sample 20911001-TL41LS				
Very Heavy	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2669104-1: Tape sample 20911001-TL42LS				
Moderate	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2669105-1: Tape sample 20911001-TL43LS				
Very Heavy	Very few	< 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2669106-1: Tape sample 20911001-TL44LS				
Heavy	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 2+ <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".



Request For Analysis

Project Number/Purchase Order: 20911001 Date Submitted: 11/4/9
 Project Contact: W. F. 869 Turnaround Required: 24 hrs
 Lab Destination: EmLab Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20911001 TL03LS	N/A	Tape	Direct Exam (Qualitative)
TL04LS			
TL05LS			
TL06LS			
TL07LS			
TL08LS			
TL09LS			
TL10LS			
TL11LS	X	X	X

Special Instructions: _____

1. Sampled by: Handman on 11/3/08 11/4/9 Received by: _____
 2. Relinquished by: Handman on 11/4/9 @ 13:25 Received by: Jim at 11/4/09 @ 13:05
 3. Relinquished by: Jim on 11/4/09 @ Received by: Brandon Eason 11/4/09 @ 13:50
- Please include signature, date, and time

Lab Use Only: _____



Report for:

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

Regarding: Project: 20911001
 EML ID: 599623

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 11-09-2009

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: 20911001

Date of Sampling: 11-06-2009
Date of Receipt: 11-09-2009
Date of Report: 11-09-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001-TM03OUT		20911001-TM04LS		20911001-TM05LS	
Comments (see below)	None		None		None	
Lab ID-Version‡:	2659496-1		2659497-1		2659498-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	14	190				
Arthrinium						
Ascospores*	2	110				
Aureobasidium						
Basidiospores*	5	270				
Bipolaris/Drechslera group	1	13				
Botrytis	14	190				
Chaetomium						
Cladosporium	144	7,700				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	17	230				
Other brown	1	13				
Other colorless						
Penicillium/Aspergillus types†	128	6,800	1	53		
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*	1	13			1	13
Stachybotrys	2	27				
Stemphylium						
Torula	1	13				
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	350		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		16.000		53		13

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: 20911001
 EML ID: 599818

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 11-09-2009 and 11-09-2009

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: 20911001

Date of Sampling: 11-09-2009
Date of Receipt: 11-09-2009
Date of Report: 11-09-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001-TM501OUTLS		20911001-TM502LS		20911001-TM503LS		20911001-TM504LS	
Comments (see below)	A		None		B		B	
Lab ID-Version‡:	2660208-1		2660217-1		2660218-1		2660219-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40						
Arthrinium								
Ascospores*	28	1,500						
Aureobasidium								
Basidiospores*	187	10,000						
Bipolaris/Drechslera group								
Botrytis	1	13						
Chaetomium	1	13						
Cladosporium	67	2,400	1	53				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	5	67						
Other brown	1	13						
Penicillium/Aspergillus types†	4	210						
Pithomyces	1	13						
Rusts*	3	40	1	13				
Smuts*, Periconia, Myxomycetes*	8	110	1	13				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	3+		2+		1+		1+	
Hyphal fragments/m3	80		< 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 SPORES/m3		14,000		80		< 13		< 13

Comments: A) 30 of the raw count *Cladosporium* spores were present as a single clump. 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.

†† 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: 20911001

Date of Sampling: 11-09-2009
Date of Receipt: 11-09-2009
Date of Report: 11-09-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001-TM505LS		20911001-TM506LS		20911001-TM507LS		20911001-TM508OUTLS	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2660220-1		2660209-1		2660210-1		2660211-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							1	13
Arthrinium								
Ascospores*							22	1,200
Aureobasidium								
Basidiospores*							171	9,100
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	53			45	2,400
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Penicillium/Aspergillus types†			1	53	1	53	32	1,700
Pithomyces								
Rusts*	2	27					7	93
Smuts*, Periconia, Myxomycetes*							16	210
Stachybotrys								
Stemphylium								
Torula							1	13
Ulocladium								
Background debris (1-4+)††	1+		1+		2+		3+	
Hyphal fragments/m3	13		< 13		< 13		27	
Pollen/m3	< 13		< 13		27		27	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		27		110		53		15,000

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" 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: 20911001
 EML ID: 600279

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 11-11-2009

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: 20911001

Date of Sampling: 11-10-2009
Date of Receipt: 11-10-2009
Date of Report: 11-11-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001-TM509OUTLS		20911001-TM510LS	
Comments (see below)	A		B	
Lab ID-Version‡:	2662188-1		2662189-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	6	80		
Arthrinium				
Ascospores*	24	1,300		
Aureobasidium				
Basidiospores*	162	8,600		
Bipolaris/Drechslera group				
Botrytis	11	150		
Chaetomium				
Cladosporium	410	22,000		
Curvularia				
Epicoccum	2	27		
Fusarium				
Myrothecium				
Nigrospora	2	27		
Other brown	1	13		
Other colorless				
Penicillium/Aspergillus types†	131	3,800		
Pithomyces				
Rusts*	23	1,200		
Smuts*, Periconia, Myxomycetes*	53	710		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	3+		1+	
Hyphal fragments/m3	120		< 13	
Pollen/m3	53		< 13	
Skin cells (1-4+)	< 1+		< 1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		38,000		< 13

Comments:A) 80 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. 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.

††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: 20911001
 EML ID: 600815

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 11-12-2009

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: 20911001

Date of Receipt: 11-11-2009
Date of Report: 11-12-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001- TM22OUTAR		20911001- TM23AR		20911001- TM24AR		20911001- TM25AR	
Comments (see below)	A		B		B		None	
Lab ID-Version‡:	2664525-1		2664526-1		2664527-1		2664528-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	5	67						
Arthrinium								
Ascospores*	24	1,300						
Aureobasidium								
Basidiospores*	225	12,000						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium	11	150						
Cladosporium	110	5,900					2	110
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	12	160						
Other brown	1	13						
Penicillium/Aspergillus types†	30	1,100						
Pithomyces								
Rusts*	2	27						
Smuts*, Periconia, Myxomycetes*	5	67					1	13
Stachybotrys								
Stemphylium	6	80						
Torula								
Ulocladium								
Background debris (1-4+)††	2+		1+		1+		2+	
Hyphal fragments/m3	150		< 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 SPORES/m3		21,000		< 13		< 13		120

Comments: A) 12 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. 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.

†† 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: 20911001
 EML ID: 601931

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 11-16-2009

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: 20911001

Date of Sampling: 11-16-2009
Date of Receipt: 11-16-2009
Date of Report: 11-16-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20911001-TM61OUTLS		20911001-TM62LS		20911001-TM63LS	
Comments (see below)	None		A		None	
Lab ID-Version‡:	2669074-1		2669075-1		2669076-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Arthrinium						
Ascospores*	2	110				
Aureobasidium						
Basidiospores*	125	6,700			1	53
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	25	1,300				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	2	27				
Other colorless						
Penicillium/Aspergillus types†	24	1,300				
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*	2	27				
Stachybotrys						
Stemphylium						
Torula	6	80				
Ulocladium					1	13
Zygomycetes						
Background debris (1-4+)††	4+		3+		3+	
Hyphal fragments/m3	53		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		9,500		< 13		67

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 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" 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: 20911001
 EML ID: 599623

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-09-2009

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: 20911001

Date of Sampling: 11-06-2009
 Date of Receipt: 11-09-2009
 Date of Report: 11-09-2009

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‡: 2659493-1: Tape sample 20911001-TL12LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2659494-1: Tape sample 20911001-TL13LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2659495-1: Tape sample 20911001-TL14LS				
Very 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
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20911001
 EML ID: 599818

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-09-2009

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: 20911001

Date of Sampling: 11-09-2009
 Date of Receipt: 11-09-2009
 Date of Report: 11-09-2009

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‡: 2660204-1: Tape sample 20911001-TL503LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2660205-1: Tape sample 20911001-TL504LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2660206-1: Tape sample 20911001-TL505LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2660207-1: Tape sample 20911001-TL506LS				
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: 20911001
 EML ID: 600815

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-12-2009

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: 20911001

Date of Receipt: 11-11-2009
 Date of Report: 11-12-2009

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‡: 2664521-1: Tape sample 20911001-TL01AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2664522-1: Tape sample 20911001-TL02AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2664523-1: Tape sample 20911001-TL03AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2664524-1: Tape sample 20911001-TL04AR				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	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: 20911001
 EML ID: 601931

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 11-16-2009

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: 20911001

Date of Sampling: 11-16-2009
 Date of Receipt: 11-16-2009
 Date of Report: 11-16-2009

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‡: 2669070-1: Tape sample 20911001-TL61LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2669071-1: Tape sample 20911001-TL62LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2669072-1: Tape sample 20911001-TL63LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2669073-1: Tape sample 20911001-TL64LS				
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".



Request For Analysis

Project Number/Purchase Order: 20911001 Date Submitted: 11/16/19
 Project Contact: W. Frey Turnaround Required: same day
 Lab Destination: EMLAB Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20911001 TM100LS	75L	Area-Cell	Spore Trap
20911001 TM12LS	↓	↓	↓
20911001 TM13LS	↓	↓	↓
20911001 TL61LS	N/A	tape	Direct exam (qualitative)
20911001 TL62LS	↓	↓	↓
20911001 TL63LS	↓	↓	↓
20911001 TL64LS	↓	↓	↓

Special Instructions: _____

1. Sampled by: Handley on 11/16/19 @ 0725 Received by: _____
 2. Relinquished by: Handley on 11/16/19 @ 1000 Received by: Brandon Iledan 11/16/19 @ 1000
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: _____



Request For Analysis

Project Number/Purchase Order: 20911001 Date Submitted: 11/11/09Project Contact: W. Frey Turnaround Required: 24 hrsLab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20911001-TM201AR	75L	Acco-Cell	Spore Trap
-TM23AR	↓	↓	↓
-TM24AR	↓	↓	↓
-TM25AR	↓	↓	↓
-T201AR	N/A	Tape	Direct Exam (Qualitative)
-T202AR	↓	↓	↓
-T203AR	↓	↓	↓
-T204AR	↓	↓	↓

Special Instructions: _____

1. Sampled by: [Signature] 11/11/09 1530 Received by: Brandon Ikeda 11/11/09 @ 16002. Relinquished by: [Signature] 11/11/09 1530 Received by: _____

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only: _____