

17-18-08 JMG

SI #5

RECEIVED
Town of Woodside
MAR 24 2008
Planning and Building
BP No. 09-270-ASB&H

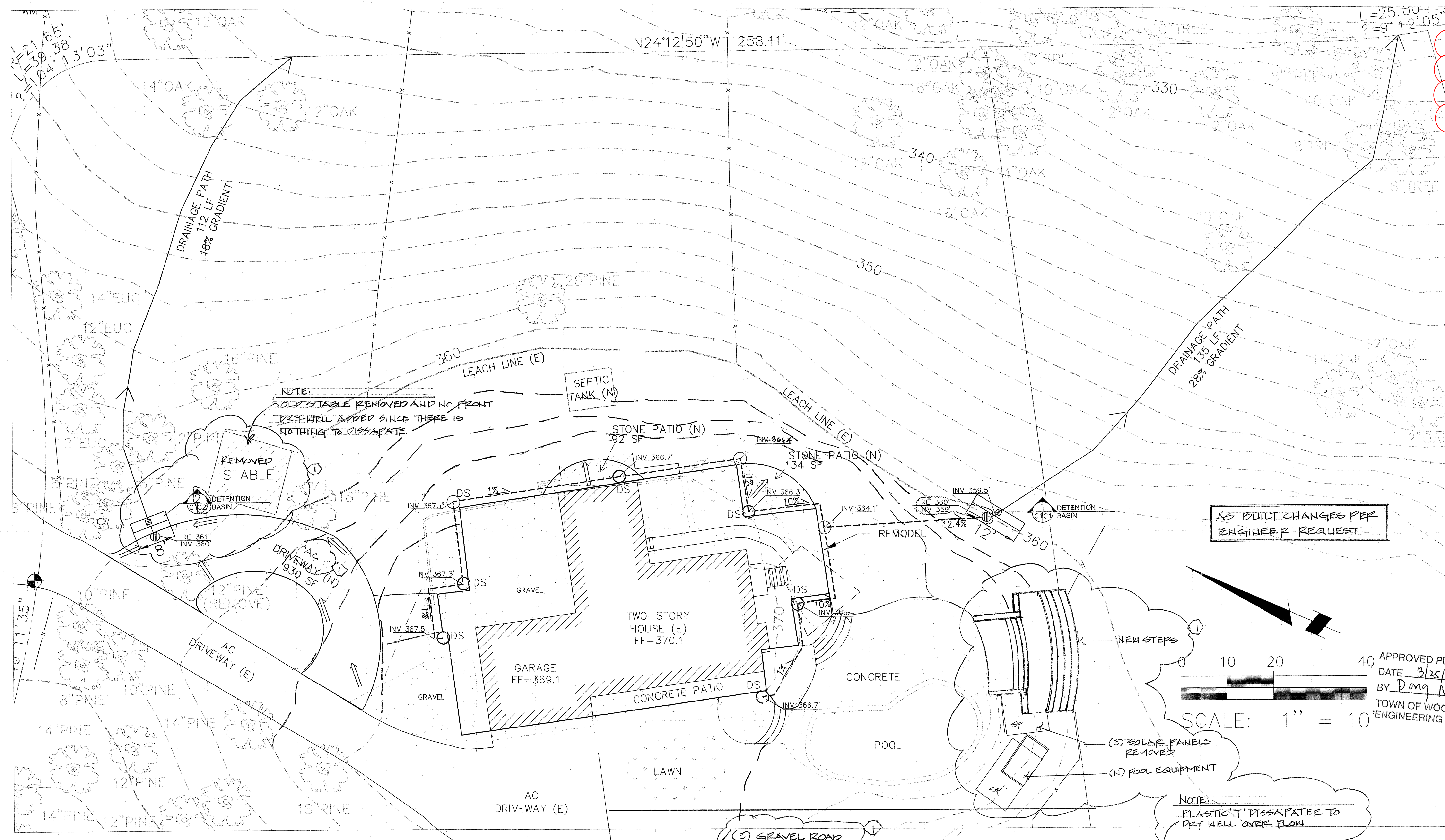


Sigma Prime Geosciences, Inc.
SIGMA PRIME GEOSCIENCES, INC.
111 VASSAR STREET
HALF MOON BAY, CA 94019
(650) 728-3590
FAX 728-3593

APPROVED PLAN
DATE 3/25/08
BY Dong N
TOWN OF WOODSIDE
ENGINEERING DEPT.

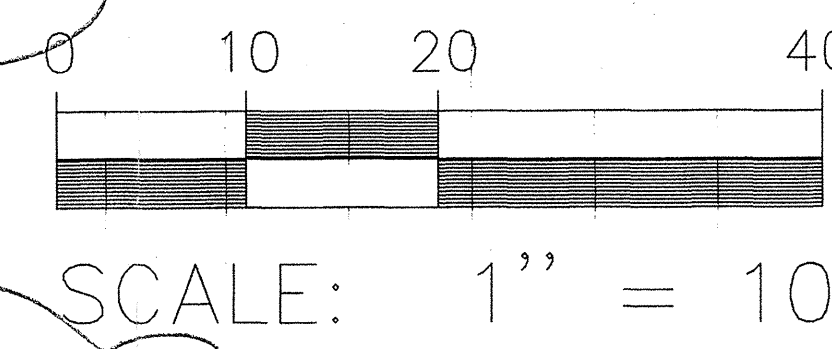
DRAINAGE PLAN
WOODSIDE, CALIFORNIA
APN

SHEET
C1

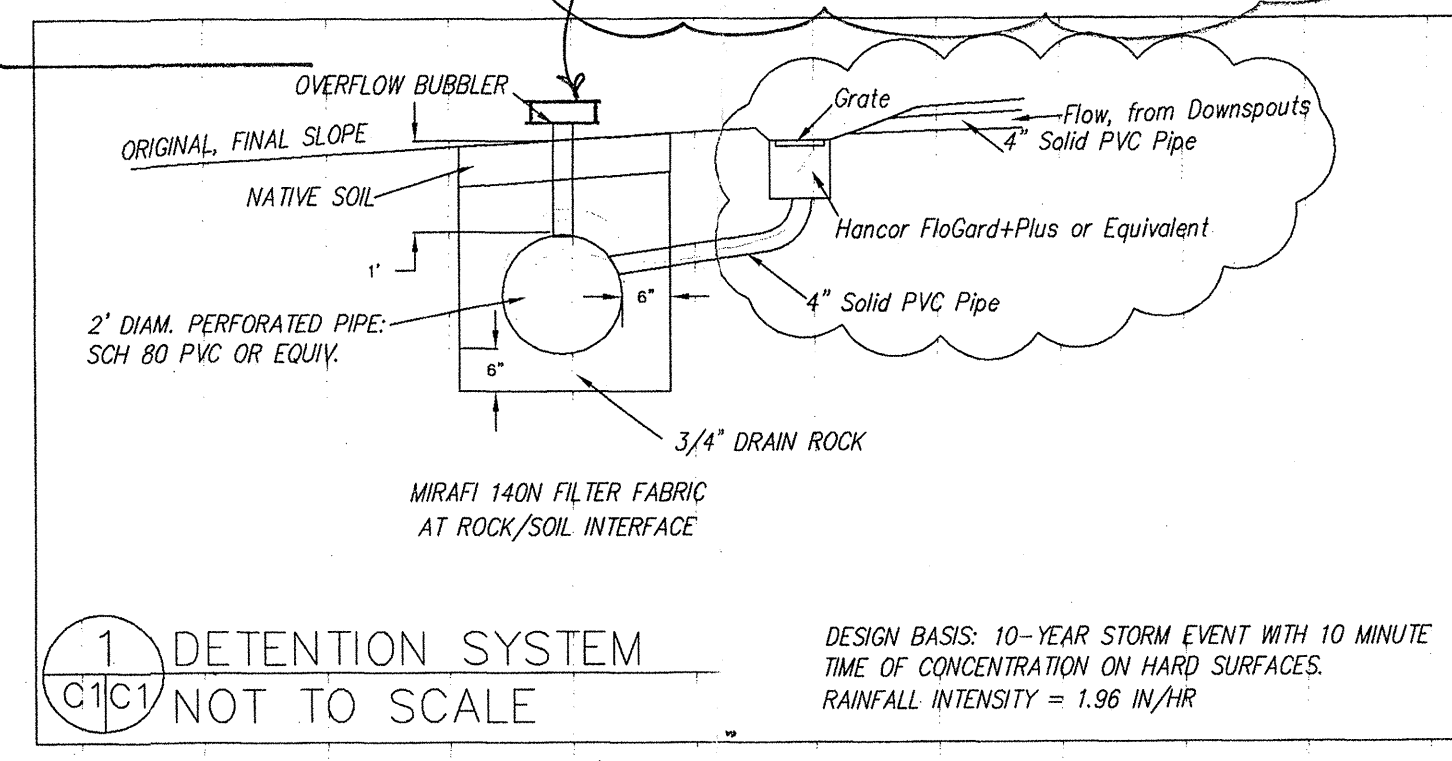


NOTE:
OLD STABLE REMOVED AND NO FRONT
DRY WELL ADDED SINCE THERE IS
NOTHING TO DISSIPATE.

AS BUILT CHANGES PER
ENGINEER REQUEST



NOTE:
PLASTIC DISSIPATER TO
DRY WELL OVER FLOW



- LEGEND**
- AREA DRAIN: 6" DIA.
 - ROOF DOWNSPOUT
 - CLEAN-OUT: 4" DIAM.
 - OVERFLOW BUBBLER BOX
 - SOLID PLASTIC DRAIN PIPE, SDR 36 @ 1% MINIMUM SLOPE. ALL SDR 36 DRAIN PIPES TO BE 4" DIA. UNLESS OTHERWISE NOTED.
 - SURFACE DRAINAGE
 - REVISION CLOUD
 - E EXISTING
 - DS DOWNSPOUT
 - N NEW, OR PROPOSED
 - RE RIM ELEVATION
 - INV INVERT ELEVATION

- GENERAL NOTES**
- PLANS PREPARED AT THE REQUEST OF: [REDACTED]
 - BASE MAP PROVIDED BY LEA & SUNG ENGINEERING, INC.
 - ELEVATIONS BASED ON AN ASSUMED DATUM
 - THIS IS NOT A BOUNDARY SURVEY.
- BENCHMARK**
- SURVEY CONTROL
MAG AND WASHER IN AC
WITH AN ELEVATION=361.48'
(ASSUMED)

- DRAINAGE NOTES**
- DRAINAGE INTENT: IT IS THE INTENT OF THESE DRAWINGS TO PROVIDE POSITIVE DRAINAGE IN ALL PAVED AND LANDSCAPED AREAS. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE FOR ALL AREAS.
- PROPOSED CONCRETE PATIOS SHALL DRAIN AWAY FROM HOUSE, TO ALLOW SHEET FLOW TO SURROUNDING GROUND SURFACE.
- ALL SURFACE RUNOFF FROM NEW DRIVEWAY SHALL BE DIRECTED TO DETENTION SYSTEM, AS SHOWN.
- ALL DRAINAGE PIPES SHALL BE 4" DIAMETER SOLID PIPE, SLOPED AT 1% MINIMUM UNLESS OTHERWISE NOTED ON PLAN. DIRECTION OF FLOW IS INDICATED BY ARROWS.
- SECTION AND DETAIL CONVENTION**
- SECTION OR DETAIL IDENTIFICATION
- REFERENCE SHEET No. FROM WHICH SECTION OR DETAIL IS TAKEN
- REFERENCE SHEET No. WHICH SECTION OR DETAIL IS SHOWN

JOB COPY



Non-Viable Spore Trap Analysis Report

SI #10
1/6

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237

Telephone: 800.347.4010

Client: Myles F Corcoran Construction
200 7th Avenue #230
Santa Cruz, CA 95062

Report Number: 10-07-03488

Received Date: 07/26/2010

Analyzed Date: 07/28/2010

Reported Date: 07/28/2010

Project/Test Address: [REDACTED]; Woodside, California

Client Number:

106901

Fax Number:

831-476-2732

Laboratory Results

Lab # :	10-07-03488-001	10-07-03488-002	10-07-03488-003	10-07-03488-004	10-07-03488-005					
Client Sample ID :	1	2	3	4	5					
Date Collected :	07/19/2010	07/19/2010	07/19/2010	07/19/2010	07/19/2010					
Collection Location :	EXT 20' OUT FRT DR	MSTR BR PRE AC	MSTR BR1 POST AC	MSTR BR2 POST AC	ATTIC @DRAINPAN					
Sampling Media :	Air-O-Cell	Air-O-Cell	Air-O-Cell	Air-O-Cell	Air-O-Cell					
Analytical Sensitivity (spores/m3) :	6.7	6.7	6.7	6.7	6.7					
Volume (L) :	150	150	150	150	150					
Spore ID	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)
Cladosporium spores	107	710	106	710	8	53	12	80	80	530
Peronospora/Oidium spores	1	6.7	1	6.7						
Penicillium/Aspergillus group spores	228	1500	97	650	2	13			7	47
Alternaria spores			8	53			1	6.7	2	13
Aureobasidium spores	1	6.7	5	33	1	6.7	1	6.7	16	110
Drechslera/Bipolaris group spores									1	6.7
Arthrinium spores			2	13						
Curvularia spores							1	6.7		
Stachybotrys spores			1	6.7					14	93
Torula spores									1	6.7
Chaetomium spores	1	6.7								
Pithomyces spores	2	13	2	13						
Epicoccum spores	2	13	2	13					1	6.7
Nigrospora spores									1	6.7
smuts, Periconia, myxomycetes	5	33	8	53	1	6.7	2	13	16	110
Trichocladium spores					1	6.7			2	13

Environmental Hazards Services, L.L.C

SI #10
2/6

Client Number: 106901

Report Number: 10-07-03488

Project/Test Address: [REDACTED]; Woodside, California

Lab # :	10-07-03488-001	10-07-03488-002	10-07-03488-003	10-07-03488-004	10-07-03488-005					
Spore ID	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)	Raw Count	Results (Spores/m3)
TOTAL SPORES(Spores/m3)	2300		1500		87		110		940	
Analyst:	Felicia Butler		Felicia Butler		Felicia Butler		Felicia Butler		Felicia Butler	

Sample Narratives:

(Sample 005) M01: Stachybotrys conidiophore observed.

Method: Non-Culturable Spore Trap Examination

Reviewed By Authorized Signatory:



Laura Carson

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, volume, etc., was provided by the client. The Client is hereby notified that due to the subjective nature of fungal analysis and the growth process of fungal infestation, laboratory samples can and do change over time relative to the originally sampled material. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.



Air Report Summary

SI #10
3/6

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Project/Test Address: [REDACTED]; Woodside, California
Client Number: 106901
Report Number: 10-07-03488

This summary is based on the results obtained by Environmental Hazards Services for the samples taken at the above Project/Test Address. For details such as mold type and spore counts, please see the Report Number listed above. Environmental Hazards Services is a laboratory only, and this summary in no way constitutes a remediation plan. The test(s) performed is/are designed to give a "picture-in-time"; results and conditions in the property may change in the future. If the testing was performed as a result of the property currently experiencing a water infiltration or moisture problem, the source of the problem should be corrected immediately. The Environmental Protection Agency recommends that any indoor mold growth be addressed and all water or moisture sources be eliminated.

Sample Number	Location	Sample Type	Unusual Mold Condition(s) Exist
10-07-03488-002	MSTR BR PRE AC	Mold Air	No
10-07-03488-003	MSTR BR1 POST AC	Mold Air	No
10-07-03488-004	MSTR BR2 POST AC	Mold Air	No
10-07-03488-005	ATTIC @DRAINPAN	Mold Air	Yes

Unusual Mold Condition(s) Explanation

- Yes** One or more of the samples in the table above indicate the presence of elevated indoor mold spores or colonies for these specific locations only. Professional advice will be necessary to determine the appropriate actions to take to correct the conditions indicated. The information in your report and this summary may be used by an Industrial Hygienist or an Indoor Air Quality professional to assist in the determination of necessary actions.
- No** The samples in the table above do not indicate the presence of elevated indoor mold spores or colonies for these specific locations only.

The recommendations found in this summary are based on accepted industry standards develop by the American Conference of Governmental Industrial Hygienists (ACGIH), the EPA, and the New York City Department of Helath.¹

For further information, please visit our website at www.leadlab.com

¹Reference material includes the ACGIH publication : "Bioaerosols: Assessment and Control", the EPA publication: " Mold Remediation in Schools and Commercial Buildings", and the New York Department of Health publication: "Guidelines on Assessment and Remediation of Fungi in Indoor Environments"

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Mold Spore Descriptions

SI #10
4/6

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Project/Test Address: [REDACTED]; Woodside, California
Client Number: 106901
Report Number: 10-07-03488

Section 2: The following fungal descriptions are pertinent to the indoor samples collected. General characterization of mold is made with respect to their most common impact to human health. Many genera of molds have species with varying characteristics.

Spore Name	Description
Cladosporium spores	Reported to be allergenic. Most commonly identified spore in outdoor samples. Highly seasonal. Indoor species may differ from outdoor species. Typically found inside supply ducts.
Peronospora/Oidium spores	No information regarding the health effects of this genus is available at this time. All mold should be treated as potential allergens.
Penicillium/Aspergillus group spores	Reported to be allergenic. Many species have been documented to produce mycotoxins, which may be associated with pulmonary disease in humans and other animals. Research studies have implicated several of these toxins as carcinogens in laboratory animals following inhalation. A wide number of organisms have been grouped into these two genera. Extremely difficult to identify down to species level. Typically identified in soil, cellulose, food, paint, compost piles, carpeting, wallpaper and in the fiberglass insulation used in interior ductwork.
Alternaria spores	Reported to be allergenic. Commonly found growing in carpets and on indoor textiles. This fungi has been indicated as a potential cause of hypersensitivity pneumonitis. Rare species known to produce tenuazonic acid and other toxic metabolites that may cause disease in humans.
Aureobasidium spores	Reported to be allergenic. Commonly found in high moisture areas such as bathrooms and kitchens. Rarely associated with skin disorders.
Drechslera/Bipolaris group spores	Toxicogenic. Also recognized as an allergen. Under certain conditions, this fungi has been documented to produce the mycotoxin, sterigmatocystin. Studies have indicated that this toxin may cause damage to the liver and kidneys in laboratory animals.
Arthrinium spores	Reported to be allergenic. Typically found associated with agriculture. Rarely found in indoor samples.
Curvularia spores	Reported to be allergenic. No additional health data for this genus is available at this time.
Stachybotrys spores	Toxicogenic. Also recognized as an allergen. Typically a fungus of dark green/black coloration, it grows readily on building materials with a high cellulose content but low in nitrogen, and is rarely observed in outdoor samples. Certain strains of Stachybotrys may produce the mycotoxin, trichothecene under appropriate conditions which has been documented to cause problems associated with the circulatory, alimentary, skin and nervous systems. Absorption of trichothecene into the tissues of the human lung may cause a condition known as pneumomycosis. Although there have been conflicting studies concerning the toxicity of this fungi, it still appears that extreme caution should be practiced when dealing with this mold.
Torula spores	Toxicogenic. Also recognized as an allergen. Studies have shown that certain species may produce a toxin in the laboratory.
Chaetomium spores	Reported to be allergenic. Some species may be associated with disease in humans. Commonly found on the paper used as facing on sheetrock.
Pithomyces spores	Reported to be allergenic. Some species may, in rare instances, produce the toxin sporidesmin.
Epicoccum spores	Reported to be allergenic. Commonly found on plants, textiles and products made of paper.

Spore Name	Description
Nigrospora spores	Reported to be allergenic. No additional health data for this genus is available at this time.
smuts, Periconia, myxomycetes	Reported to be allergenic. This class of fungal spores is most often related to agriculture and plant disease and is rarely found indoors.
Trichocladium spores	Reported to be allergenic. No additional health data for this genus is available at this time.

SI #10
5/6

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SI #10
6/6



EHS
Laboratories™

Environmental Hazards Services, LLC
www.leadlab.com
(800) 347-4010
(804) 275-4907 (fax)
7469 Whitepine Rd
Richmond, VA 23237

DATE MAILED: 7/20/10

MoldSmart
Chain-of-Custody



10-07-03488

Due Date:
07/29/2010
(Thursday)
ER

Company Name: Myles F. Corcoran Construction Consulting
Address: 200 7th Ave., Ste. 230
Phone: (831) 476-4502
Field Phone Number: ()
E-mail: office@mfcbuild.com
Fax: (831) 476-2732
City/State/Zip: Santa Cruz, CA 95062

Testing Address: [Redacted] P.O. Number: [Redacted]
Job Code: [Redacted]
City/State (Required): [Redacted]

Collection Date: 7/19/10 Collected by: I/C: MFC - Myles Corcoran
Outside Air Temperature: 67 °F Indoor Air Temperature: 69 °F
Was There any Precipitation (Rain, Sleet, or Snow) 2 Hours or Less Before Taking the Samples? Yes No

Turn Around Time (TAT)
— 1 Day — 2 Day X 3-Day
— Same Day (Must Call Ahead)
If no TAT is specified, sample (s) will be processed and charged as 3-Day TAT.
Standard Viable Sample TAT is 5-7 Days

with Remediation Specifications (Fee Required)
 with Clearance letter (Fee Required)

Sample Type Codes
Air/Non Viable: Bulk = B, Swab = S, W/Check = W, Bio Type = T
Air/Viable (Calendable): Total Fungal Count w/ ID = VTF, Spore/Spores Culture w/ Total Fungal Count & ID = VSI, Total Thermophilic Fungal Count w/ ID = VTT

Spore Trap Type
Air-O-Cell = AOC, Cyclax D = C, BioSIS = B, MicroSAMS

Swab Sample Surface Type
Non-Porous = NP, Semi-Porous = SP, Porous = P

No.	Sample Type	Collection Location (Limited to 15 Characters)	Air Samples			Swab Samples		Remarks
			Spore Trap Type	Air Volume * (Total Liters)	Media Type (Viable Testing Only)	Surface Type (NP/SP/P)	Area of Mold (In Square Feet - ft²)	
1	AN	EXT 20' OUTER DR	AOC	150				
2	AN	BRMSR BR PREAC	AOC	150				
3	AN	MSR BRIP OST AC	AOC	150				Rm AC IHR
4	AN	MSR BR2P OST AC	AOC	150				" " ZHR
5	AN	ATTIC @ DR4/MPAN	AOC	150				
6								
7								
8								

Released by: Myles F. Corcoran
Signature: [Signature]
Date/Time: 7/20/10

Released by: [Signature]
Signature: [Signature]
Date/Time: 7/20/10

* I/Cs Air Volume = 10 mins of test X 15L/min = Air Volume