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

# Mold Remediation – Fourth Floor Closure Report Addendum

*Project No. 2372.02-572*

**Prepared for:**
California Department of General Services
707 Third Street, 3-305
Sacramento, California 95605

**Prepared by:**
Chris Corpuz, MS, CIH, CAC
Senior Associate
LaCroix Davis LLC

**Closure Report Date:** December 8, 2009

**Addendum Date:** October 31, 2012

***Please insert this Closure Report Addendum into the rear of the Floor 4 Closure Report***

Building Environmental EHS Consulting
3685 Mt. Diablo Blvd., Ste. 210 • Lafayette, CA 94549 • p 925.299.1140 f 925.299.1185 • www.lacroixdavis.com

## 1.0 Introduction

On August 26, 2009, LaCroix Davis LLC (LCD) and the Department of General Services Mold Remediation Project Team completed the mold remediation activities initially scheduled for Floor 4 of the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. At the completion of these activities, a closure report for this floor was compiled by LCD to summarize key events of the project.

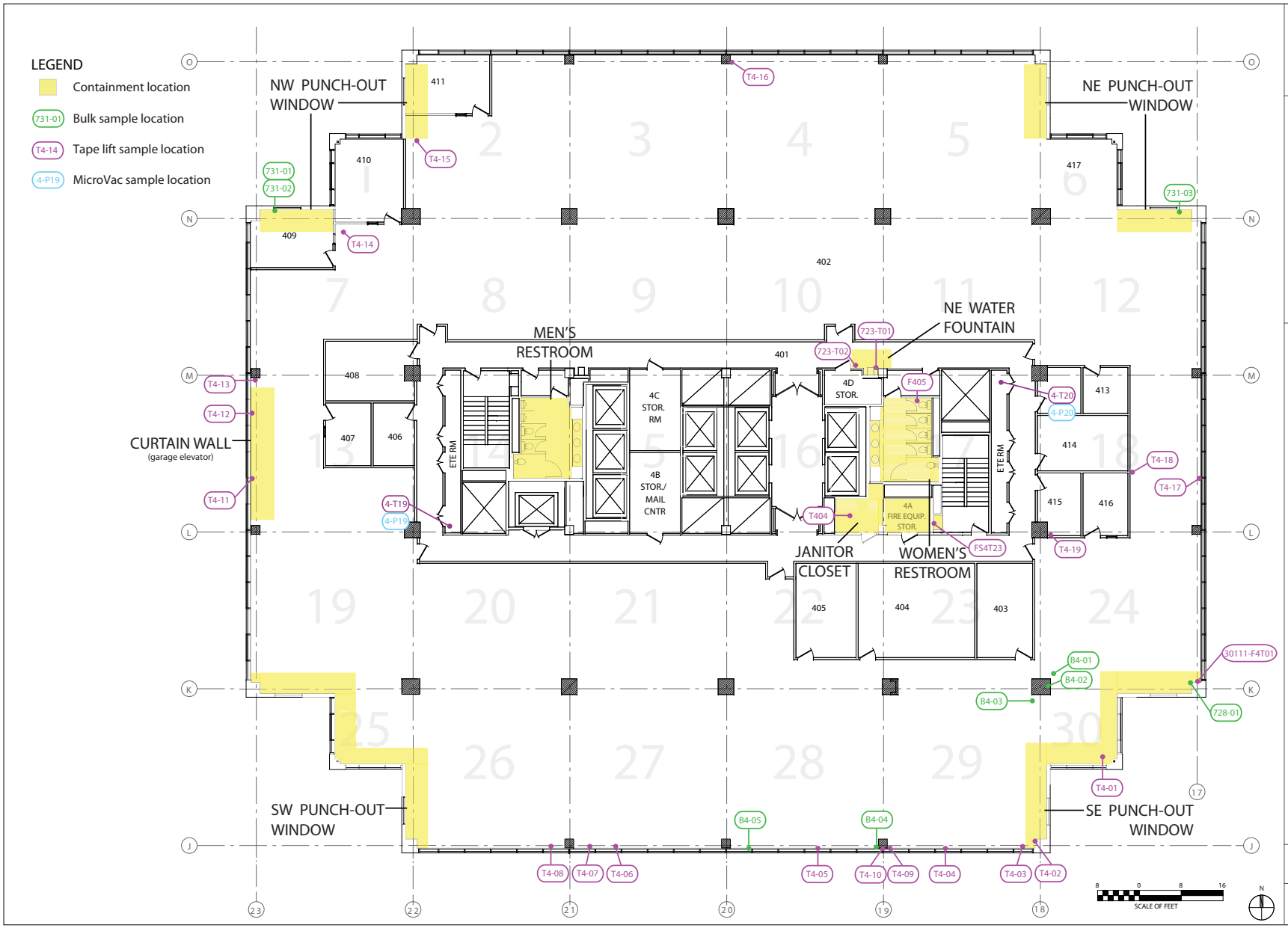
Subsequent to the completion of the closure report, a need for additional investigation and/or remediation activities was identified. Identified areas were subjected to sampling. Using a combination of surface tape lift and/or bulk samples, LCD tested stains on walls and other building materials to determine if the stains were indicative of mold growth. The sample locations are depicted in a revised Figure 2 attached to this addendum.

Any information not previously available and information documenting additional mold-related activities was compiled by LCD and presented in this addendum.

## 2.0 Additional Activities

Additional mold-related activities performed on this floor after completion of the floor closure report include:

| | |
|---|---|
| May 2010<br>Fire Sprinkler Riser Cabinet | Inspection, testing, and remediation. |
| December 2010, February 2011<br>Room 4A, Fire Equipment Storage Room | Both rooms were inspected after being impacted by a leak from the janitor room sink on Floor 5 above. Room 4A was remediated. Stained fireproofing was marked. |
| March – April 2011<br>Column K-17, SE Quadrant | Inspection and remediation of stains on gypsum board and fireproofing caused by a leak through the exterior wall panels. Stained fireproofing was marked. |
| February 2012<br>Janitor Room | Replacement of vinyl composite tiles with epoxy floor to match upgraded flooring in other janitor rooms. |
| May 2012<br>Rooms 415, 416 | Inspection and remediation materials damaged by a water intrusion that also impacted the floor below. |




LaCroix Davis LLC

State of California
Department of General Services
(DGS No. 125828)
(AGMT. No. 3126150)
(LCD No. 2372.02-572)

# Containment and Sample Locations (Oct 2012)

Board of Equalization Building, Mold Remediation
450 N Street, Sacramento, California

4th Floor

Figure 2

# Daily Logs

| | |
|---|---|
| LaCroix Davis Building & Environmental Forensics | **PROJECT LOG** DATE: 5/2/10<br>LACROIX DAVIS LLC<br>3685 MT. DIABLO BLVD. SUITE 210<br>LAFAYETTE, CA 94549<br>TEL 925-299-1140 FAX 925-299-1185<br>LCD REPS: TW ; ; PAGE 1 OF 2 |

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day____ Swing ✓<br>Weekend/Holiday____ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 1 Floor 3<br>Floor 4 Floor 5 |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold<br>ACM<br>LBP |
| LCD Project # -Task | **2372.0 3 -572; SOW 5.0** | **Description:** Floor 1 SE Hall E | |
| LCD Project # -Task | **2372.0 3 -572; SOW 5.0** | **Description:** Fire Risers 3,4,5 | |
| LCD Project # -Task | **2372.0____-572; SOW _____** | **Description:** | |

**CONTAINMENT INFORMATION**

1. Type of Containment: NPE ✓ Mini ✓ Barrier Tape_____ Minor Procedures _____ HEPA _____
2. Type of Decon: Shower_____ 2-Stage_____ 1Stage ✓ Drop Sheet W/Vacuum_____ None ✓
3. Manometer? Yes ✓ No____ Strip Chart Record? Yes ✓ No ____ Adequate Pressure? Yes ✓ No ____ Comments Below.
4. Containment Entry Log? Yes ✓ No_____
5. Containment and Decon maintained in accordance with accepted practices and procedures? Yes ✓ No ___ Comment below.
6. Negative Air Machines and/or HEPA Vacuums Aerosol Challenge Tested? yes
7. Negative Air Exhaust Location: Window_____ Smoke Shaft_____ Stairs ✓ Unoccupied Space ✓
8. Site Security: 24 hr

**SUMMARY OF ACTIVITIES**

Mob/Demob ✓ Prep ✓ Removal ✓ Waste Load Out ✓ Detail Clean ✓ Encapsulation ✓ Clearance Testing___ Tear Down___

Visual Inspections: Pre-Abatement ✓ Pre-Encapsulation ✓ Pre-Clearance ✓ Post Tear Down_____

Comments: Floor 1 SE Hall E Remove cove base and Gypboard

Floors 3,4,5 Fire Risers SE - access, clean + encap

Waste Generated: Hazardous ____ Non-Hazardous/Construction Debris ✓ Adequately Wet_____ Waste Load-Out? _____

Packaging: Single 6 Mil_____ Double 6 Mil ✓ Barrels_____ Boxes_____ Burrito Wrap_____ Other_____

Hazardous Waste Manifest? N Waste Characterization? Y Labels? N

Location of Dumpster: Floor 1 SW garage

Comments: _____

Additional Worker PPE: Disposable Suits ✓ Gloves ✓ (Respirator) Half Face ✓ Full Face ✓ PAPR _____

Contractor Worker Exposure Monitoring? No # Workers Sampled —

On-Site Visitors: 1._____ 2._____ 3._____ 4._____

**LaCroix Davis Project LOG**
**Date:** 5/7/10



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site

**FIELD SUPPLIES:** PPE: Suits ✓ Gloves (pairs) ✓ Respirator filters: _____ Misc: _____

**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name: _____

**Notes**

6 PM} JLS mobilizes to Floors 1 SE and Floors 3,4,5
1800} Fire Risers
2000 containments complete - all areas OK start
Floor 1 inspection as bottom 4" of gypboard wall is removed
No suspect VMG on reverse side of gypboard -
suspect water stain on opposite wall Sample # F1SE-T01
21:10 inspect Floor 4 Fire Riser removal & photo doc conditions
prior to detail cleaning - (No suspect stains observed)
21:20 inspect Floor 3 Fire Riser removal & photo doc conditions
prior to detail cleaning
21:30 inspect Floor 5 Fire Riser removal & photo doc conditions
prior to detail cleaning
crew break 21:30 to 22:15
22:15 Floor 1 hall - crew cleans up prior to sealing wall cavity.
with poly for testing, to ≈ 2 hours expected time
23:00 inspect Fire Riser cabinets pre encap -
24:10 OK to encap, all 3 FR cabinets
perform photo doc encap during clearance
testing 5/8/10.
communicate w/ HTI WEney and JLS GS via email
to coordinate meeting at 10 AM 5/8/10 to
perform testing of containments.
5/8/10 9:00 to 1:00 clearance testing, COC, lab transm

Signature [signature] Date 5/7/10

LaCroix Davis LLC
Building & Environmental Forensics

**PROJECT LOG** **DATE:** 12/20/10

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

**LCD REPS:** TM ; ; **PAGE** 1 **OF** 2

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day ✓ Swing ____ Weekend/Holiday ____ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 19 Floor 1 Floor 5 Floor 4 |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold ✓ ACM ____ LBP ____ Other ____ |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 5.0 | **Description:** 19- Containments | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** 5 & 4 water leak | |
| LCD Project # -Task | **2372.0** ____ **-572; SOW** ____ | **Description:** ____ | |

**CONTAINMENT INFORMATION**

1. Floor Occupied 5 & 4 Floor Vacant 19
2. Containments: a) 4-South b) 19- North c) 1917 d) ____ e) ____ f) ____
3. Type of Containment: NPE 1990 4th Mini ____ Barrier Tape ____ Minor Procedures ____ N/A ____
4. Type of Decon: Shower ____ 2-Stage ✓ 19.5 1Stage 1909 Drop Sheet W/Vacuum ____ None ____
5. Manometer: Yes ✓ No ____ Strip Chart Record: Yes ✓ No ____ Adequate Pressure: Yes ✓ No ____
6. Containment Entry Log: Yes ✓ No ____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ____
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ____
9. Negative Air Exhaust Location: Window ____ Shaft ____ Stairs ____ Interior ✓ Exterior ____
10. Security: Owner ✓ Contractor ____ Private ____ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob ____ Prep 19 N. Removal/Load Out 19 S Detail Clean ____ Encapsulation ____ Clearance Testing ____ Tear Down ____ DeMob ____

Phase Completion Visual Inspection: Prep 4A, 5A, Janitor Removal ____ Encapsulation ____ Clearance ____ Tear Down ____

Summary: 19- removal floor adhesive, south containment
19 - prep furniture and modular furn -
1- after hours inspect carpet 117 & 118 and ~~137~~ 143
4A, 5A, AND HALL, Janitor and SE Stairs - test walls & Seal
with poly - install critical barriers on 4A, 5A and Janitor
Rm. - utilize air movers to dry walls. wrap wet boxes in 5A
for disposal - perform cove base removal PM to develop SOW

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil ____ Double 6 Mil ✓ Barrel ____ Drum ____ Box ____ Burrito Wrap ____ Labels ____ Other ____

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ____ Steel Toe ____ Hard Hat ____ Chem Apron ____

Respirator: Half Face ✓ Full Face ✓ PAPR ____ Supplied Air ____

Contractor Worker Exposure Monitoring Yes ____ No ✓ # Workers Sampled —

On-Site Visitors: 1. K. Firchau 2. ____ 3. ____ 4. ____

**LaCroix Davis Project LOG**
**Date:** 12/20/10



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: Site

**FIELD SUPPLIES:** PPE: Suits 1 Gloves (pairs) 1 Respirator filters: ____ Misc: ____

**LAB EXPENSES:** Type/No. Samples collected: Tape ____ Bulk ____ Air ____

Laboratory Name/Location: ____

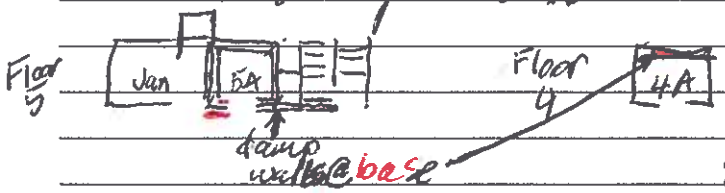
**Notes**

Shift to 3:30

8:30 Floor 19 - prep in North - modular - seal w/ poly + tape
- removal adhesive continues 19 South
second pass moving South to SE.

9:20 Floor 5 - Room 5A and Janitor Room install air movers to dry damp wall materials at cove base - check CB in PM
Floor 4 Room 4A install air movers to dry damp wall (North) Check CB in PM.

11 - Break -
11:45 discuss w/ M Moore approach to Floor 5 & 4 as per protocol
Conf. call w/ CC and WF (HTI) to review response actions and adjust as necessary to ensure as per protocol.




4A North wall
5A all walls
5 Janitor East wall
} monitor daily for changes

Crew continues work on floor 19 South - adhesive removal and North prep mod furniture
14:00 set up PM work w/ DVS TW and HTI - LS meet on 5 at 6 PM
14:15 Observe 19 South conditions & procedures - work continues South to SE - 2nd scrape & lifting modulars
18:00 perform 4A cove base investigation - VMG observed
perform Floor 4 Fireproofing inspection at 4A Hall - No stains observed

Signature Thomas Da Date 12/20/10

| | |
|---|---|
| LaCroix Davis LLC Building & Environmental Forensics | **PROJECT LOG** DATE: 12/21/10 |
| | LACROIX DAVIS LLC<br>3685 MT. DIABLO BLVD. SUITE 210<br>LAFAYETTE, CA 94549<br>TEL 925-299-1140 FAX 925-299-1185 |
| | LCD REPS: TM ; ; PAGE 1 OF 2 |

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day 4,5/19 Swing ✓1<br>Weekend/Holiday |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 19 Floor 5<br>Floor 4 Floor 1 |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold ✓<br>ACM LBP<br>Other |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 5.0 | **Description:** 19 containments | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** 4,5 floor 4A, 5A hall5 | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** floor 1 carpet | |

**CONTAINMENT INFORMATION**

1. Floor Occupied 1,4,5 Floor Vacant 19
2. Containments: a) 19-South b) 19-1917 c) 19-North d) ____ e) ____ f) ____
3. Type of Containment: NPE____ Mini____ Barrier Tape____ Minor Procedures ____ N/A ____
4. Type of Decon: Shower____ 2-Stage 19-5 1Stage____ Drop Sheet W/Vacuum____ None____
5. Manometer: Yes 19-5 No____ Strip Chart Record: Yes 19-5 No ____ Adequate Pressure: Yes 19-5 No ____
6. Containment Entry Log: Yes 19-5 No____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes 19-5 No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window____ Shaft____ Stairs____ Interior 19-5 Exterior ____
10. Security: Owner ✓ Contractor ____ Private____ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob____ Prep 19N Removal/Load Out___ Detail Clear 19-5 Encapsulation___ Clearance Testing___ Tear Down___ DeMob____

Phase Completion Visual Inspection: Prep____ Removal____ Encapsulation____ Clearance____ Tear Down____

Summary: Detail cleaning Floor and cracks 19 South

Floor 4 and 5 check wall moisture content, seal the cove base w/tape where it is not perfectly attached, cracked or slightly pulled away.

PM Floor 1 - test carpet in Rooms 143, 117, 118 using portable Neg Pressure mini-enclosure/chamber

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil____ Double 6 Mil ✓ Barrel ____ Drum____ Box____ Burrito Wrap____ Labels ____ Other____

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection____ Steel Toe____ Hard Hat____ Chem Apron____

Respirator: Half Face ✓ Full Face ____ PAPR ____ Supplied Air____

Contractor Worker Exposure Monitoring Yes____ No ✓ # Workers Sampled —

On-Site Visitors: 1. K. Firchau 2.____ 3.____ 4.____

**LaCroix Davis Project LOG**
**Date:** 12/21/10



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: Site & lab

**FIELD SUPPLIES:** PPE: Suits 1 Gloves (pairs) 4 Respirator filters: ____ Misc: ____

**LAB EXPENSES:** Type/No. Samples collected: Tape 4 Bulk ____ Air ____

Laboratory Name/Location: EMC P&K, W. Sacto

**Notes**

shift 7-3:30 AM and 6-8 PM Floor / Carpet
19-South continue adhesive removal - 2nd pass SE to NE
begin cleaning walls, ceilings, floors - HEPA + wet wipe

meet w/ Travis + discuss work plan & testing tentative schedule
continue prep N North complete 1917 prep + perform remediation
also discuss PM Carpet Sampling Floor 1 start at 1800.

meet w/ HTI re: flood 4A, 5A, Jan 5 stairwell 5 and related Hall
perform inspection of walls to identify changed conditions
apply tape to seal Cove base to wall where it isn't tightly sealed
photo doc conditions and procedures floor 19 South

1800 perform inspection of Rooms 117, 118 and 143 w/ HTI & JLS
carpet.

Signature [signature] Date 12/21/10

| | |
|---|---|
| LaCroix Davis Building & Environmental Forensics | **PROJECT LOG** DATE: 12/22/10 |
| | LACROIX DAVIS LLC<br>3685 MT. DIABLO BLVD. SUITE 210<br>LAFAYETTE, CA 94549<br>TEL 925-299-1140 FAX 925-299-1185<br>**LCD REPS:** TMJ ; CD ; _____ **PAGE** 1 **OF** 2 |

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day ✓ Swing ✓<br>Weekend/Holiday ___ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 19 Floor 1<br>Floor 4 Floor 5 |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold ✓<br>ACM ___ LBP ___<br>Other ___ |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 5.0 | **Description:** 19 Containments | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** Floor 4 and 5 flood | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** Floor 1 Rm 143 | |

**CONTAINMENT INFORMATION**

1. Floor Occupied 4,5 Floor Vacant 19
2. Containments: a) 19-South b) 19-North c) 1917 d) ___ e) ___ f) ___
3. Type of Containment: NPE 19-South Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage 19-South 1Stage ___ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes 19-S No ___ Strip Chart Record: Yes 19-S No ___ Adequate Pressure: Yes 19-S No ___
6. Containment Entry Log: Yes 19-S No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window ___ Shaft ___ Stairs ___ Interior 19-S Exterior ___
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob ___ Prep 19-N Removal/Load Out ___ Detail Clean 19-S Encapsulation ___ Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep ___ Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary: detail cleaning 19 South - floor, walls, ceilings, cracks

Floors 4,5: inspect water impacted surfaces and install dehumidification units in rooms JANITOR, 5A and 4A.

Floor 1: Room 143 South perimeter

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ✓ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled —

On-Site Visitors: 1. ___ 2. ___ 3. ___ 4. ___

**LaCroix Davis Project LOG**
**Date:** 12/22/10



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site.

**FIELD SUPPLIES:** PPE: Suits 1 Gloves (pairs) 1 Respirator filters: _____ Misc: _____

**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name/Location: _____

**Notes**

Shift 7-3:30 - weekly construction meeting 9:30-11:
Begin final cleaning floor-wipe, vacuum and brush cracks
complete detail cleaning at 12:44 -
perform final visual inspection - ok testing Thursday.
prep begins w/ crew in North area - continues to 15:30

schedule PM: installation of dehumidifiers in 4A, 5A and 5 janitor rooms
inspect coveface in 143 South wall.
1800 complete installation of DeHumi's
follow up check of Room 143 South wall
gypboard is furred out from walls beneath windows
and on precast concrete walls. Dark stain
is visible on carpet at bottom edge of cove base.
cubicle/modular furniture blocks inspection
of 90% of South wall -

Signature [signature] Date 12/22/10

| | |
|---|---|
| LaCroix Davis LLC Building & Environmental Forensics | **PROJECT LOG** DATE: 12/23/10<br>LACROIX DAVIS LLC<br>3685 MT. DIABLO BLVD. SUITE 210<br>LAFAYETTE, CA 94549<br>TEL 925-299-1140 FAX 925-299-1185<br>**LCD REPS:** TM1 ; ; **PAGE** 1 **OF** 2 |

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day ✓ Swing ___<br>Weekend/Holiday ___ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 19 Floor ___<br>Floor 4 Floor 5 |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold ✓<br>ACM ___ LBP ___<br>Other ___ |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 5.0 | **Description:** Floor 19 Containments | |
| LCD Project # -Task | **2372.0** 2 **-572; SOW** 4.0 | **Description:** Floor 4 & 5 | |
| LCD Project # -Task | **2372.0** ___ **-572; SOW** ___ | **Description:** ___ | |

**CONTAINMENT INFORMATION**

1. Floor Occupied ___ Floor Vacant ✓
2. Containments: a) 19-South b) 19-North c) 1917 d) ___ e) ___ f) ___
3. Type of Containment: NPE 19-South Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage 19-So. 1Stage ___ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes 19-S No ___ Strip Chart Record: Yes 19-S No ___ Adequate Pressure: Yes 19-S No ___
6. Containment Entry Log: Yes 19-S No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes 19-S No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window ___ Shaft ___ Stairs ___ Interior 19-So. Exterior ___
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob ___ Prep 19N Removal/Load Out ___ Detail Clean ___ Encapsulation ___ Clearance Testing 19-S Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep ___ Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary:

Perform Clearance Testing - 19 South

continue prep 19-North

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ___ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ___ Gloves ___ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ___ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled —

On-Site Visitors: 1. ___ 2. ___ 3. ___ 4. ___

**LaCroix Davis Project LOG**
**Date:** 12/23/10



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: Site & lab

**FIELD SUPPLIES:** PPE: Suits _____ Gloves (pairs) _____ Respirator filters: _____ Misc: _____

**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air 8

Laboratory Name/Location: EML P&K, W. Sacto

**Notes**

Shift 7-3:30 + review lab report & issue clearance memo
continue prep 19 North
meet w/ JLS discuss checking dehumidifiers on floor 4 & 5
discuss todays work plan - prep 19-North
observe
10:30 perform clearance testing 19 South w/ HTI
12 deliver samples to lab + COC
prep continues North 19

Signature _____ Date _____

LaCroix Davis LLC
Building & Environmental Forensics

**PROJECT LOG** **DATE:** 2/11/11 2/12/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

**LCD REPS:** JMI ; _____ ; _____ **PAGE** 1 **OF** 2

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day____ Swing ✓ Weekend/Holiday ✓ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 4 Floor____ Floor____ Floor____ |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold; ACM LBP; Other |
| LCD Project # | **2372.0** 2 **-572; SOW** 5.0 | **Description:** 4A remediation | |
| LCD Project # | **2372.0**____**-572; SOW** _____ | **Description:** | |
| LCD Project # | **2372.0**____**-572; SOW** _____ | **Description:** | |

**CONTAINMENT INFORMATION**

1. Floor Occupied ✓ Floor Vacant _____
2. Containments: a) 4A b) _____ c) _____ d) _____ e) _____ f) _____
3. Type of Containment: NPE ✓ Mini_____ Barrier Tape_____ Minor Procedures _____ N/A _____
4. Type of Decon: Shower_____ 2-Stage_____ 1Stage ✓ Drop Sheet W/Vacuum_____ None_____
5. Manometer: Yes ✓ No____ Strip Chart Record: Yes ✓ No ____ Adequate Pressure: Yes ✓ No ____
6. Containment Entry Log: Yes ✓ No_____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window_____ Shaft_____ Stairs_____ Interior ✓ Exterior _____
10. Security: Owner ✓ Contractor ____ Private____ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob ✓ Prep ✓ Removal/Load Out ✓ Detail/Clean ✓ Encapsulation ✓ Clearance Testing___ Tear Down___ DeMob____

Phase Completion Visual Inspection: Prep ✓ Removal ✓ Encapsulation ✓ Clearance_____ Tear Down_____

Summary: remediation of 4A = removal of 1st layer and cleaning 2nd layer - encap second layer at cleaned locations

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil_____ Double 6 Mil ✓ Barrel _____Drum_____ Box_____ Burrito Wrap_____ Labels _____ Other_____

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection____ Steel Toe____ Hard Hat____ Chem Apron____

Respirator: Half Face ✓ Full Face ✓ PAPR _____Supplied Air_____

Contractor Worker Exposure Monitoring Yes____ No ✓ # Workers Sampled Ø

On-Site Visitors: 1._____ 2._____ 3._____ 4._____

LaCroix Davis Project LOG
Date: 2/11/11
2/12/11



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: 2x site and lab

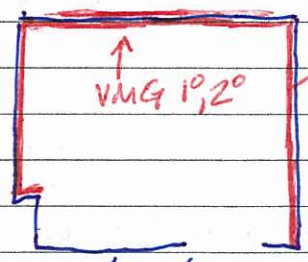
**FIELD SUPPLIES:** PPE: Suits 11 Gloves (pairs) 11 Respirator filters: 2 Misc: —

**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air 5 = 2/11
2/12 = 4

Laboratory Name/Location: EML P&K

**Notes**

11:30 Shift to continue until complete
Greg identifies scope and location to supv. Jimmy
HTI - KT onsite
1800 mobilize to floor 4 - begin prep
perform cove base inspection floor 5 South & West core hallway.
perform floor 1 Fire Control Room plenum inspection w/ JLS
1900 prep completed floor 4 Fire control Room 4A prep inspection OK begin removal - crew break then setup.
19:30 Begin wall removal




Bottom 2' of 1st layer removed
2° cleaned and encapsulated.

21:30 set up clearance testing 11:00 AM w/ HTI & JLS. 2/12/11

2/12 10:30 Contact JLS and HTI to coordinate clearance sampling, prep for sampling.
11:00 begin air sampling
11:45 complete sample CoC and deliver to lab
stand by for analytical results.
notify JLS and HTI

Signature [signature] Date 2/11/11
2/12/11

| | |
|---|---|
| LaCroix Davis Building & Environmental Forensics | **PROJECT LOG** DATE: 3/01/11<br>LACROIX DAVIS LLC<br>3685 MT. DIABLO BLVD. SUITE 210<br>LAFAYETTE, CA 94549<br>TEL 925-299-1140 FAX 925-299-1185<br>LCD REPS: TMI ; ; PAGE 1 OF 2 |

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day___ Swing ✓ Weekend/Holiday___ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 1 Floor 4 Floor___ Floor___ |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold<br>ACM LBP<br>Other |
| LCD Project # | **2372.0** 2 **-572; SOW** 5.0 | **Description:** Room 143 #1 | |
| LCD Project # | **2372.0** 2 **-572; SOW** 4.0 | **Description:** Floor 4 SE Punch Out cube 76 | |
| LCD Project # | **2372.0** 2 **-572; SOW** 4.0 | **Description:** Floor 1 Reception | |

**CONTAINMENT INFORMATION**

1. Floor Occupied ✓ Floor Vacant ___
2. Containments: a) 143 #1 b) ___ c) ___ d) ___ e) ___ f) ___
3. Type of Containment: NPE ✓ Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage ✓ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes ✓ No ___ Strip Chart Record: Yes ✓ No ___ Adequate Pressure: Yes ✓ No ___
6. Containment Entry Log: Yes ✓ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window ___ Shaft ___ Stairs ___ Interior ✓ Exterior ___
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

**SUMMARY OF ACTIVITIES**

Mob ___ Prep ✓ Removal/Load Out 19:00 ✓ Detail Clean ___ Encapsulation ___ Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep 19:00 Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary: Repair containment 143 to 19:00
inspect water stain ceiling Floor 4 SE Punch Out (collect sample)
inspect water stain ceiling Floor 1 Reception Lobby at House phones
Removal carpet and adhesive Room 143 containment #1
Waste load out debris.

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ✓ Full Face ✓ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled Ø

On-Site Visitors: 1. Mary Hoy 2. ___ 3. ___ 4. ___

LaCroix Davis Project LOG
Date: 3/01/11



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site & lab

**FIELD SUPPLIES:** PPE: Suits 11 Gloves (pairs) 11 Respirator filters: ____ Misc: ____

**LAB EXPENSES:** Type/No. Samples collected: Tape 1 (floor 4 SE) Bulk ____ Air ____

Laboratory Name/Location: EML P&K, W. Sacto

**Notes**

17:00 meet w/ Joan re: inspect at stained ceiling tiles w/ M. Hay
17:30 inspect Floor 1 at house phones - stain GB and FP out of reach not sampled
1800 inspect Floor 4 at SE Punch Out - cube 76 - stain GB and FP above ceiling
test GB - FP not accessed - will need JLS assistance for clean up
and painting following sampling FP at both locations.
18:45 - Room 143 prep complete - OK for removal of carpet.
19:00 - crew suits up and begins carpet removal & cove base
inspect conditions and photodoc - No suspect stains on GB
20:00 Break then begin bag and load out of carpet
21:00 Lunch Break - then continue load out and begin
scraping adhesive off floor.
22:00 check containment integrity - make up air filters and Exhaust OK
Scraping floor adhesive continues.
23:00 Crew continues to work on floor adhesive
00:00 floor adhesive removal using razor scrapers continues
crew will continue to 2:00 AM ✓

Signature [signature] Date 3/01 - 3/02/1

LaCroix Davis
Building & Environmental Forensics

**PROJECT LOG** **DATE:** 4/29/11 - 4/30/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

**LCD REPS:** TMI ; ; **PAGE** 1 **OF** 2

| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day ___ Swing ✓ Weekend/Holiday ✓ |
| Project | **Board of Equalization (BOE)** | Location(s): | Floor 1 Floor 4 Floor 22 Floor ___ |
| Building | **450 N Street, Sacramento CA** | Compound(s) of Concern | Mold ✓ ACM LBP Other ✓ odor |
| LCD Project # | **2372.0** 2 **-572; SOW** 5.0 | **Description:** Cafe 3 Mini's | |
| LCD Project # | **2372.0** 2 **-572; SOW** 5.0 | **Description:** Floor 4 SE@K17 | |
| LCD Project # | **2372.0** 2 **-572; SOW** 5.0 | **Description:** Floor 22 men women | |

**CONTAINMENT INFORMATION**

1. Floor Occupied ✓ Floor Vacant ___
2. Containments: a) trash venting b) trash loto c) col loto d) 4 SE K17 e) 22 men f) 22 women
3. Type of Containment: NPE ✓ Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage ___ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes ___ No ___ Strip Chart Record: Yes ___ No ___ Adequate Pressure: Yes ___ No ___
6. Containment Entry Log: Yes ___ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ___ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ___ No ___
9. Negative Air Exhaust Location: Window ___ Shaft ___ Stairs ___ Interior ___ Exterior ___
10. Security: Owner ___ Contractor ___ Private ___ 24 hour ___ Secure Building ___

**SUMMARY OF ACTIVITIES**

Mob 1&4 Prep 1&4 Removal/Load Out 1&4 Detail Clean 1&4 Encapsulation 1&4 (22 men + women) Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep ___ Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary: perform remediation at 3 locations in cafeterias
perform remediation at 1 location Floor 4 SE at K17
encapsulate surfaces in men & women Floor 22

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ✓ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled ___

On-Site Visitors: 1. ___ 2. ___ 3. ___ 4. ___

**LaCroix Davis Project LOG**
**Date:** 4/29/11 & 4/30/11



**PERSONAL EXPENSES:**

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site

**FIELD SUPPLIES:** PPE: Suits 5 Gloves (pairs) 5 Respirator filters: ✓ Misc: ✓

**LAB EXPENSES:** Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name/Location: EML PTK

**Notes**

1800 JLS mob's equip to Cafe and Floor 4 begins prep
- 3 Containments Cafe Floor 1
  - 1- Trash at Vending (not including reverse in Kitchen)
  - 2- Trash at LOTO machine
  - 3- column at LOTO machine
- 1 Containment Floor 4
  - 1- SE Punch out Column K17
- 22 Encapsulation of men's & womens restrooms

19:45 • Check Encap men's & women's restrooms Floor 22 ok for testing Sat AM
• check progress Floor 4 and Cafeteria
21:30 prep continues Cafe and Floor 4
NOTE: 22 Men's - cavity floor near drain pipe - ½ opening to aux shaft (this condition hasn't been observed on other floors) discuss w/ Milton to patch as may be odor pathway to RR exhaust fan!
22:45 Removal Cafe Trash at Vending begins
observe & photo doc 3 containments in Cafe
00:00 Floor 4 SE K17 observe + photo
00:30 break
continue detail cleaning Cafe x3 and Floor 4
01:00 detail cleaning continues floor 4 and column LOTO 1:30
2:00 Encap Trash Bin containments Vending and LOTO containments follow with seallens & final wipe to 3:00 at Vending and to 3:05 LOTO - SHIP SHAPE AREA 3:15 to 3:30

Signature [signature] Date 4/30/11

# LaCroix Davis, LLC

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

# PROJECT LOG

**DATE:** **2/03/12 – 2/4/12**

**LCD REPS:** **TMI**



| | | | |
|---|---|---|---|
| Client | **Department of General Services (DGS)** | Contractor: **JLS Environmental** | Day Swing **X**<br>Weekend/Holiday **X** |
| Project | **Board of Equalization (BOE)** | Location(s): | Day =<br>Swing = Floor 4 |
| Address | **450 N Street**<br>**Sacramento, CA 95814** | | Mold **X**<br>ACM LBP<br>Other - |
| | | | |
| LCD Project # | **2372.02-572; SOW 4.0** | **Description: Floor 4 Janitor Room** | |
| | | | |

**CONTAINMENT INFORMATION**

1. Floor Occupied __**X**_____ Floor Vacant _____
2. Containments: a) Floor 4 Janitor Room
3. Type of Containment: NPE **X** Mini Barrier Tape Minor Procedures N/A
4. Type of Decon: Shower_____ 2-Stage_____ 1Stage **X** Drop Sheet W/Vacuum_____ None_____
5. Manometer: Yes No____ Strip Chart Record: Yes **X** No ____ Adequate Pressure: Yes No ____
6. Containment Entry Log: Yes **X** No_____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes **X** No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes **X** No ___
9. Negative Air Exhaust Location: Window Exhaust Duct **X** Stairs Interior Exterior **X**
10. Security: Owner **X** Contractor Private 24 hour **X** Secure Building **X**

**Work Activities**

Mob **X** Prep **X** Removal/Load Out **X** Detail Clean **X** Encapsulation Clearance Testing **X** Tear Down DeMob

Phase Completion: Prep **X** Visual Inspection **X** Removal **X** Encapsulation Clearance **X** Tear Down

**Waste**

Non-Hazardous Construction Debris **X** Hazardous Waste Hazardous Waste Manifest Label

Waste Container: 6 Mil Double 6 Mil **X** Barrel Drum Box Burrito Wrap Other

Location of Dumpster: **Floor 1 SW Garage**

**Personal Protective Equipment**

Additional Worker PPE: Disposable Suit **X** Gloves **X** Eye Protection Steel Toe Hard Hat Chemical Apron

Respirator: Half Face **X** Full Face PAPR Supplied Air Filter: **P100**

**Contractor Worker Exposure Monitoring** Yes_____ No__**X**__ # Workers Sampled _____

**On-Site Visitors**: 1. 2. 3. 4.

**LaCroix Davis Project LOG**
**Date: 2/3&4/12**



## PROJECT EXPENSES

**Staff:** Lodging: x Per Diem: x Travel: x Destination: **site and lab**
**Field Supplies:** PPE: Disposable Suits x .Gloves x Respirator filters: 2 Misc:
**Laboratory:** Type and Number of Samples collected: Tape Bulk Air **4** Other
Media: spore trap cassettes
Laboratory Name/Location: EML P&K, W. Sacramento, CA

## Work Summary

- 18:00 – meet with JLS JM and HTI LS regarding removal of F1 Room 129 SE insta hot water heater by BPM.
- JLS and Brice mobilize equipment to Floor 4 Janitor Room.
- Brice removes floor sink in F4 Janitor Room to allow VCT removal. Plumbing will require relocation. The stub outs will be relocated from the current penetrations through the cove base to a new location up the wall. JLS will remove approx 3' of wall to allow plumbing modification.
- 20:00 LCD and HTI perform inspection of cove base (~ 2 years old) = no visible staining on walls is observed.
- JLS removes wall material (~ 2 years old) at plumbing then proceeds to remove VCT and adhesive.
- JLS and HTI perform inspection of wall cavity = no visible staining.
- JLS trims the bottom ½" of the walls where gypsum board contacts the floor surface.
- 22:00 JLS manually removes VCT and adhesive (~2years old – removed in very small chips using the heavy bar tool), no odor is reported by JLS, HTI and LCD representatives.
- 01:30 JLS completes floor removal
- 02:00 LCD and HTI perform removal/detail cleaning inspection and perform air quality testing.
- Sample COC and delivery to lab.

Signature: _____ Date: **2/3&4/12**

# LaCroix Davis, LLC

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

# PROJECT LOG

**DATE:** **5/12/12**

**LCD REPS:** **TMI**



| | | | |
|---|---|---|---|
| Client | **Department of General Services Building and Property Management (BPM)** | Contractor: **JLS Environmental** | Day **X** Swing<br>Weekend/Holiday **X** |
| Project | **Board of Equalization (BOE)** | Location(s): | Day = 3, 4<br>Swing = |
| Address | **450 N Street**<br>**Sacramento, CA 95814** | | Mold **X**<br>ACM LBP<br>Other - |
| LCD Project # | | **Description: F3 rooms 311, 312** | |
| LCD Project # | | **Description: F4 rooms - 415, 416** | |
| LCD Project # | | **Description:** | |

**CONTAINMENT INFORMATION**

1. Floor Occupied __**X**_____ Floor Vacant _____
2. Containments: a) **F4 Room 415** b) **F4 Room 416**
3. Type of Containment: NPE **X** Mini Barrier Tape Minor Procedures N/A
4. Type of Decon: Shower_____ 2-Stage_____ 1Stage **X** Drop Sheet W/Vacuum_____ None_____
5. Manometer: Yes **X** No____ Strip Chart Record: Yes **X** No ____ Adequate Pressure: Yes **X** No ____
6. Containment Entry Log: Yes **X** No_____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes **X** No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes **X** No ___
9. Negative Air Exhaust Location: Window Shaft Stairs Interior **X** Exterior
10. Security: Owner **X** Contractor Private 24 hour **X** Secure Building **X**

**Work Activities**

Mob **X** Prep **X** Removal/Load Out **X** Detail Clean **X** Encapsulation **X** Clearance Testing Tear Down DeMob

Phase Completion Visual Inspection: Inspection **X** Prep **X** Removal **X** Encapsulation Clearance Tear Down

**Waste**

Non-Hazardous Construction Debris **X** Hazardous Waste Hazardous Waste Manifest Label

Waste Container: 6 Mil Double 6 Mil **X** Barrel Drum Box Burrito Wrap Other

Location of Dumpster: **off-site**

**Personal Protective Equipment**

Additional Worker PPE: Disposable Suit **X** Gloves **X** Eye Protection Steel Toe Hard Hat Chemical Apron

Respirator: Half Face **X** Full Face PAPR Supplied Air Filter: **P100**

**Contractor Worker Exposure Monitoring** Yes_____ No__**X**__ # Workers Sampled _____

**On-Site Visitors**: 1. BPM - Charles 2. 3. 4.

**LaCroix Davis Project LOG**
**Date: 5/12/12**



## PROJECT EXPENSES

**Staff:** Lodging: x Per Diem: x Travel: x Destination: **site**
**Field Supplies:** PPE: Disposable Suits x .Gloves x Respirator filters: **P100** Misc: _____
**Laboratory:** Type and Number of Samples collected: Tape **1** Bulk Air **0** Other
Media: **tape lift**
Laboratory Name/Location: **EML P&K, W. Sacramento, CA**

## Work Summary

- 06:45 TMI meet JLS – review scope of work on floor 3. Discuss with HTI LS this area is priority 1. Work on floor 4 containment prep begins.
- Meet with BPM Charles and discuss moving cubicle 131. JLS begins moving cubicle 131 in room 311 to allow access to inspect/remove impacted wall and carpet tiles at room on partition wall to 312. All building materials (wet or exhibiting suspect staining) in the zone impacted by water intrusion. ~4" to 8" gypsum board at common wall in SE corner of room 312/311 and carpet tile in 311) were removed. 09:30 complete removal of impacted wall and carpet tiles. No visible mold growth.
- 10:30 Prep completed 416 and 415 – all building materials (wet or exhibiting suspect staining) in the zone impacted by water intrusion (common wall between 415 and 416) were removed (floor to ceiling -2 stud bays). Reconstruction of walls will be completed by JLS Sunday following air testing.
- LCD and HTI observe and photo doc conditions and procedures.
- JLS installs gypsum board in 311 and 312 to allow replacement of cubicle 131. Resurfacing build back will occur Sunday.
- Set up Lab for analysis on Saturday night (weekend/holiday) at 9 PM. This will allow JLS to perform recleaning first thing Sunday morning if necessary.
- 14:45 detail cleaning work in 416 and 415 is completed.
- Carpet tiles are reinstalled and cubicle 131 is reinstalled.
- 16:00 break to 20:00.

Signature: _____ Date: **5/12/12**

# Laboratory Reports

When quality and accuracy are critical.

9/26/2012

LaCroix Davis, LLC
3685 Mt. Diablo Blvd. Suite 210
Lafayette, CA 94549

To Whom It May Concern:

The following data qualifier is reported for all samples in which prior to the release, the replicate quality control sample was not completed:

"Analysis of replicate sample is delayed."

In all instances where this data qualifier was reported for LaCroix Davis, LLC projects "DGS-BOE", all replicate samples have since been analyzed and quality control reviews have been completed. All reported data should therefore be considered accurate and final.

Please feel free to contact me if you have any further questions in this regard.

Sincerely,

Dr. Kamashwaran Ramanathan
Laboratory Director

**EMLab P&K**

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1
EML ID: 656636

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 05-08-2010

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

**EMLab P&K**
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1

Date of Sampling: 05-08-2010
Date of Receipt: 05-08-2010
Date of Report: 05-08-2010

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372-508-A01: SW Exterior | | 2372-508-A02: Floor 5 SE Stairs Ambient | | 2372-508-A03: Floor 5 SE FR Containment | | 2372-508-A04: Floor 4 SE Stairs Ambient | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | A | | A | | B | | A | |
| Lab ID-Version‡: | 2911664-1 | | 2911665-1 | | 2911666-1 | | 2911667-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | 3 | 40 | | | | | | |
| Arthrinium | | | | | | | | |
| Ascospores* | | | | | | | | |
| Aureobasidium | | | | | | | | |
| Basidiospores* | 17 | 910 | 2 | 110 | | | 1 | 53 |
| Bipolaris/Drechslera group | | | | | | | | |
| Botrytis | | | | | | | | |
| Chaetomium | | | | | | | 1 | 13 |
| Cladosporium | 5 | 270 | 2 | 110 | | | | |
| Curvularia | | | | | | | | |
| Epicoccum | | | | | | | | |
| Fusarium | | | | | | | | |
| Nigrospora | | | | | | | | |
| Other brown | | | | | | | | |
| Penicillium/Aspergillus types† | 2 | 110 | | | | | | |
| Pithomyces | | | | | | | | |
| Rusts* | | | | | | | 2 | 27 |
| Smuts*, Periconia, Myxomycetes* | 11 | 150 | | | | | 2 | 27 |
| Stachybotrys | | | | | | | | |
| Stemphylium | | | 1 | 13 | | | | |
| Torula | 3 | 40 | | | | | | |
| Ulocladium | | | | | | | | |
| Background debris (1-4+)†† | 2+ | | 3+ | | 1+ | | 3+ | |
| Hyphal fragments/m3 | 93 | | 13 | | < 13 | | < 13 | |
| Pollen/m3 | 67 | | 27 | | < 13 | | 27 | |
| Skin cells (1-4+) | < 1+ | | 2+ | | < 1+ | | 3+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 1,500 | | 230 | | < 13 | | 120 |

**Comments:** A) Analysis of replicate sample is delayed. B) No spores detected. Analysis of replicate sample is delayed.

* 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 then 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.

**EMLab P&K**
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1

Date of Sampling: 05-08-2010
Date of Receipt: 05-08-2010
Date of Report: 05-08-2010

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372-508-A05: Floor 4 SE FR Containment | | 2372-508-A06: Floor 3 SE Stairs Ambient | | 2372-508-A07: Floor 3 SE FR Containment | | 2372-508-A08: Floor 1 SE Hall Ambient | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | A | | A | | A | | A | |
| Lab ID-Version‡: | 2911668-1 | | 2911669-1 | | 2911670-1 | | 2911671-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | | | | | 1 | 13 |
| Arthrinium | | | | | | | | |
| Ascospores* | | | | | | | | |
| Aureobasidium | | | | | | | | |
| Basidiospores* | 1 | 53 | 1 | 53 | 1 | 53 | 2 | 110 |
| Bipolaris/Drechslera group | | | | | | | | |
| Botrytis | | | | | | | | |
| Chaetomium | | | | | | | | |
| Cladosporium | | | 1 | 53 | | | | |
| Curvularia | | | | | | | | |
| Epicoccum | | | | | | | | |
| Fusarium | | | | | | | | |
| Nigrospora | | | | | | | | |
| Other brown | 1 | 13 | | | | | 1 | 13 |
| Penicillium/Aspergillus types† | | | | | | | | |
| Pithomyces | | | | | | | | |
| Rusts* | | | 1 | 13 | | | 1 | 13 |
| Smuts*, Periconia, Myxomycetes* | | | 2 | 27 | 2 | 27 | 1 | 13 |
| Stachybotrys | | | | | | | | |
| Stemphylium | | | | | | | | |
| Torula | | | | | | | | |
| Ulocladium | | | | | | | | |
| Background debris (1-4+)†† | 2+ | | 3+ | | 1+ | | 3+ | |
| Hyphal fragments/m3 | 13 | | 27 | | < 13 | | 13 | |
| Pollen/m3 | < 13 | | < 13 | | 13 | | < 13 | |
| Skin cells (1-4+) | < 1+ | | 2+ | | < 1+ | | 2+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 67 | | 150 | | 80 | | 160 |

**Comments:** A) Analysis of replicate sample is delayed.

* 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 then 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.

**EMLab P&K**
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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1

Date of Sampling: 05-08-2010
Date of Receipt: 05-08-2010
Date of Report: 05-08-2010

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372-508-A09: Floor 1 SE Hall E Containment | | 2372-508-A10: SE Exterior | |
|---|---|---|---|---|
| Comments (see below) | A | | A | |
| Lab ID-Version‡: | 2911672-1 | | 2911673-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | 3 | 40 |
| Arthrinium | | | | |
| Ascospores* | | | 3 | 160 |
| Aureobasidium | | | | |
| Basidiospores* | 1 | 53 | 20 | 1,100 |
| Bipolaris/Drechslera group | | | | |
| Botrytis | | | | |
| Chaetomium | | | | |
| Cladosporium | | | 7 | 370 |
| Curvularia | | | | |
| Epicoccum | | | | |
| Fusarium | | | | |
| Myrothecium | | | | |
| Nigrospora | | | 1 | 13 |
| Other brown | | | | |
| Penicillium/Aspergillus types† | | | | |
| Pithomyces | | | | |
| Rusts* | | | 8 | 110 |
| Smuts*, Periconia, Myxomycetes* | | | 53 | 710 |
| Stachybotrys | | | | |
| Stemphylium | | | | |
| Torula | | | 6 | 80 |
| Ulocladium | | | | |
| Background debris (1-4+)†† | 4+ | | 2+ | |
| Hyphal fragments/m3 | < 13 | | 110 | |
| Pollen/m3 | 13 | | 160 | |
| Skin cells (1-4+) | 1+ | | < 1+ | |
| Sample volume (liters) | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 53 | | 2,500 |

**Comments:** A) Analysis of replicate sample is delayed.

* 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 then 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.

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1

Date of Sampling: 05-08-2010
Date of Receipt: 05-08-2010
Date of Report: 05-08-2010

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372-508-A01, SW Exterior

| Fungi Identified | Outdoor data | Typical Outdoor Data by Date† Month: May | | | | Typical Outdoor Data by Location‡ State: CA | | | |
|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | low | med | high | freq % | low | med | high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | |
| Alternaria | 40 | 7 | 27 | 320 | 58 | 7 | 27 | 230 | 56 |
| Bipolaris/Drechslera group | - | 7 | 13 | 130 | 16 | 7 | 13 | 130 | 13 |
| Chaetomium | - | 7 | 13 | 110 | 13 | 7 | 13 | 120 | 20 |
| Cladosporium | 270 | 40 | 530 | 7,300 | 95 | 53 | 610 | 7,100 | 97 |
| Curvularia | - | 7 | 13 | 350 | 9 | 7 | 13 | 230 | 7 |
| Nigrospora | - | 7 | 13 | 190 | 8 | 7 | 13 | 170 | 8 |
| Penicillium/Aspergillus types | 110 | 25 | 160 | 1,600 | 74 | 33 | 210 | 2,400 | 85 |
| Stachybotrys | - | 7 | 13 | 220 | 4 | 7 | 13 | 270 | 5 |
| Torula | 40 | 7 | 13 | 170 | 13 | 7 | 13 | 150 | 12 |
| **Seldom found growing indoors**** | | | | | | | | | |
| Ascospores | - | 13 | 170 | 6,800 | 82 | 13 | 110 | 2,000 | 70 |
| Basidiospores | 910 | 13 | 270 | 8,800 | 92 | 13 | 210 | 8,200 | 93 |
| Rusts | - | 7 | 20 | 280 | 25 | 7 | 13 | 260 | 27 |
| Smuts, Periconia, Myxomycetes | 150 | 7 | 53 | 970 | 75 | 8 | 40 | 510 | 69 |
| **§ TOTAL SPORES/m3** | 1,500 | | | | | | | | |

† 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.

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

*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.

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Fire Riser 3,4,5 and SE Hall 1

Date of Sampling: 05-08-2010
Date of Receipt: 05-08-2010
Date of Report: 05-08-2010

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372-508-A10, SE Exterior

| Fungi Identified | Outdoor data | Typical Outdoor Data by Date† Month: May | | | | Typical Outdoor Data by Location‡ State: CA | | | |
|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | low | med | high | freq % | low | med | high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | |
| Alternaria | 40 | 7 | 27 | 320 | 58 | 7 | 27 | 230 | 56 |
| Bipolaris/Drechslera group | - | 7 | 13 | 130 | 16 | 7 | 13 | 130 | 13 |
| Chaetomium | - | 7 | 13 | 110 | 13 | 7 | 13 | 120 | 20 |
| Cladosporium | 370 | 40 | 530 | 7,300 | 95 | 53 | 610 | 7,100 | 97 |
| Curvularia | - | 7 | 13 | 350 | 9 | 7 | 13 | 230 | 7 |
| Nigrospora | 13 | 7 | 13 | 190 | 8 | 7 | 13 | 170 | 8 |
| Penicillium/Aspergillus types | - | 25 | 160 | 1,600 | 74 | 33 | 210 | 2,400 | 85 |
| Stachybotrys | - | 7 | 13 | 220 | 4 | 7 | 13 | 270 | 5 |
| Torula | 80 | 7 | 13 | 170 | 13 | 7 | 13 | 150 | 12 |
| **Seldom found growing indoors**** | | | | | | | | | |
| Ascospores | 160 | 13 | 170 | 6,800 | 82 | 13 | 110 | 2,000 | 70 |
| Basidiospores | 1,100 | 13 | 270 | 8,800 | 92 | 13 | 210 | 8,200 | 93 |
| Rusts | 110 | 7 | 20 | 280 | 25 | 7 | 13 | 260 | 27 |
| Smuts, Periconia, Myxomycetes | 710 | 7 | 53 | 970 | 75 | 8 | 40 | 510 | 69 |
| **§ TOTAL SPORES/m3** | 2,500 | | | | | | | | |

† 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.

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

*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.

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| WEATHER | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| LEVEL None | | | | | |
| Light | | | | X | |
| Moderate | | | | | |
| Heavy | | | | | |

REQUESTED SERVICES (✓ B

000656636

| Non-Culturable | | Culturable |
|---|---|---|
| Spore Trap | Tape Swab Bulk | BioCassette™ Andersen, SAS, Swa Water, Bulk, Dust, Soil, Contact Plate |

**CONTACT INFORMATION**

Company: LaCroix Davis, LLC
Contact: C. Corpuz; T Kee; A Steinbach; A McKinley
Phone: 925.299.1140
Address: 3685 Mt. Diablo Blvd Ste 210 Lafayette, CA 94549
Special Instructions: email contacts

**PROJECT INFORMATION**

Project ID: DGS - BOE
Project Desc.: Fire Riser 3,4,5 + SE Hall 1
Project Zip Code:
Sampling Date & Time: 5/8/10 10
PO Number: 2372.02-572

**TURN AROUND TIME CODES - (TAT)**

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume/Area (as applicable) | NOTES (Time of day, Temp, RH, etc.) | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Agr. spp.) | 2-Media Surface Fungi (Genus ID + Agr. spp.) | 3-Media Surface Fungi (Genus ID + Agr. spp.) | Culturable Air Fungi (Genus ID + Agr. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | QuantiTray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2372.508.A01 | SW Exterior | ST | WH | 75 | 10 | X | | | | | | | | | | | | | | | | |
| 2372.508.A02 | Floor 5 SE Stairs Ambient | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A03 | Floor 5 SE FR Containment | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A04 | Floor 4 SE Stairs Ambient | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A05 | Floor 4 SE FR Containment | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A06 | Floor 3 SE Stairs Ambient | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A07 | Floor 3 SE FR Containment | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A08 | Floor 1 SE Hall Ambient | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A09 | Floor 1 SE Hall E Containment | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372.508.A10 | SE Exterior | ST | WH | 75 | 12 | X | | | | | | | | | | | | | | | | |

5/8/10 F1 SE Hall, F3, F4, F5 Fire Sprinkler Riser Cabinets AIR

**SAMPLE TYPE CODES**

| | | | |
|---|---|---|---|
| BC - BioCassette™ | ST - Spore Trap: Zefon, Allergenco, Burkard... | T - Tape | D - Dust |
| AS - Andersen | | SW - Swab | SO - Soil |
| SAS - Surface Air Sampler | P - Potable Water | B - Bulk | |
| CP - Contact Plate | NP - Non-Potable Water | O - Other: | |

| RELINQUISHED BY | DATE & TIME | RECEIVED BY | DATE & TIME |
|---|---|---|---|
| Thomas Lee | 5/8/10 12:45 PM | In Drop Box | 5/8/10 12:15 PM |
| | | Brandon Eldam | 5/8/10 @ 1300 |

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**EMLab P&K**

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 4
EML ID: 752413

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 02-12-2011

Service SOPs: Spore trap analysis (1038)

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 correction of results is not applied. 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

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4

Date of Sampling: 02-12-2011
Date of Receipt: 02-12-2011
Date of Report: 02-12-2011

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372.212.F4A01: Exterior NE | | 2372.212.F4A02: Floor 4 ambient SE hall | | 2372.212.F4A03: Floor 4 room 4A containment | | 2372.212.F4A04: Exterior SW | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | None | | None | | None | | A | |
| Lab ID-Version‡: | 3327896-1 | | 3327897-1 | | 3327898-1 | | 3327899-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | | | | | | |
| Arthrinium | | | | | | | | |
| Ascospores* | | | | | | | 3 | 160 |
| Basidiospores* | 18 | 960 | | | | | 17 | 910 |
| Bipolaris/Drechslera group | | | | | | | | |
| Botrytis | | | | | | | | |
| Chaetomium | | | | | | | | |
| Cladosporium | 9 | 480 | | | | | 41 | 1,400 |
| Curvularia | | | | | | | | |
| Epicoccum | | | | | | | | |
| Myrothecium | | | | | | | | |
| Nigrospora | | | | | | | | |
| Penicillium/Aspergillus types† | | | | | | | | |
| Pithomyces | | | | | | | | |
| Rusts* | | | | | 1 | 13 | 2 | 27 |
| Smuts*, Periconia, Myxomycetes* | 5 | 67 | | | | | 2 | 27 |
| Stachybotrys | | | | | | | | |
| Stemphylium | | | | | | | | |
| Torula | | | | | | | | |
| Ulocladium | | | | | | | | |
| Zygomycetes | | | | | | | | |
| Background debris (1-4+)†† | 3+ | | 3+ | | 3+ | | 3+ | |
| Hyphal fragments/m3 | 40 | | 13 | | < 13 | | 13 | |
| Pollen/m3 | 40 | | < 13 | | < 13 | | 67 | |
| Skin cells (1-4+) | < 1+ | | 1+ | | 1+ | | < 1+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 1,500 | | < 13 | | 13 | | 2,500 |

**Comments:** A) 19 of the raw count *Cladosporium* spores were present as a single clump.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* 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 then 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.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ 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.

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4

Date of Sampling: 02-12-2011
Date of Receipt: 02-12-2011
Date of Report: 02-12-2011

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372.212.F4A01, Exterior NE

| Fungi Identified | Outdoor data | Typical Outdoor Data by Date† Month: February | | | | Typical Outdoor Data by Location‡ State: CA | | | |
|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | low | med | high | freq % | low | med | high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | |
| Alternaria | - | 7 | 13 | 160 | 27 | 7 | 27 | 230 | 52 |
| Bipolaris/Drechslera group | - | 7 | 13 | 150 | 10 | 7 | 13 | 130 | 12 |
| Chaetomium | - | 7 | 13 | 230 | 7 | 7 | 13 | 120 | 19 |
| Cladosporium | 480 | 13 | 210 | 4,100 | 83 | 53 | 590 | 7,600 | 96 |
| Curvularia | - | 7 | 13 | 320 | 8 | 7 | 13 | 230 | 7 |
| Nigrospora | - | 7 | 13 | 120 | 8 | 7 | 13 | 200 | 9 |
| Penicillium/Aspergillus types | - | 13 | 150 | 1,700 | 76 | 33 | 210 | 2,400 | 84 |
| Stachybotrys | - | 7 | 13 | 1,700 | 2 | 7 | 13 | 230 | 4 |
| Torula | - | 7 | 13 | 160 | 5 | 7 | 13 | 160 | 11 |
| **Seldom found growing indoors**** | | | | | | | | | |
| Ascospores | - | 8 | 110 | 2,100 | 62 | 13 | 110 | 2,100 | 70 |
| Basidiospores | 960 | 13 | 210 | 8,400 | 85 | 13 | 210 | 8,600 | 92 |
| Rusts | - | 7 | 13 | 260 | 8 | 7 | 13 | 270 | 25 |
| Smuts, Periconia, Myxomycetes | 67 | 7 | 27 | 270 | 46 | 7 | 40 | 550 | 67 |
| **§ TOTAL SPORES/m3** | 1,500 | | | | | | | | |

† 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.

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

*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.

**EMLab P&K**
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4

Date of Sampling: 02-12-2011
Date of Receipt: 02-12-2011
Date of Report: 02-12-2011

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372.212.F4A04, Exterior SW

| Fungi Identified | Outdoor data | Typical Outdoor Data by Date† Month: February | | | | Typical Outdoor Data by Location‡ State: CA | | | |
|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | low | med | high | freq % | low | med | high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | |
| Alternaria | - | 7 | 13 | 160 | 27 | 7 | 27 | 230 | 52 |
| Bipolaris/Drechslera group | - | 7 | 13 | 150 | 10 | 7 | 13 | 130 | 12 |
| Chaetomium | - | 7 | 13 | 230 | 7 | 7 | 13 | 120 | 19 |
| Cladosporium | 1,400 | 13 | 210 | 4,100 | 83 | 53 | 590 | 7,600 | 96 |
| Curvularia | - | 7 | 13 | 320 | 8 | 7 | 13 | 230 | 7 |
| Nigrospora | - | 7 | 13 | 120 | 8 | 7 | 13 | 200 | 9 |
| Penicillium/Aspergillus types | - | 13 | 150 | 1,700 | 76 | 33 | 210 | 2,400 | 84 |
| Stachybotrys | - | 7 | 13 | 1,700 | 2 | 7 | 13 | 230 | 4 |
| Torula | - | 7 | 13 | 160 | 5 | 7 | 13 | 160 | 11 |
| **Seldom found growing indoors**** | | | | | | | | | |
| Ascospores | 160 | 8 | 110 | 2,100 | 62 | 13 | 110 | 2,100 | 70 |
| Basidiospores | 910 | 13 | 210 | 8,400 | 85 | 13 | 210 | 8,600 | 92 |
| Rusts | 27 | 7 | 13 | 260 | 8 | 7 | 13 | 270 | 25 |
| Smuts, Periconia, Myxomycetes | 27 | 7 | 27 | 270 | 46 | 7 | 40 | 550 | 67 |
| **§ TOTAL SPORES/m3** | 2,500 | | | | | | | | |

† 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.

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

*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.

# CHAIN OF CUSTODY

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| WEATHER | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| None | | | | | |
| Light | | | | | |
| Moderate | | | | | |
| Heavy | | | | | |

000752413

## CONTACT INFORMATION

Company: Lakrogg Davis, LLC
Address: 3685 Mt. Diablo Blvd, Ste 210
Contact: a. Corpuz; T. Lee, A. Steinbach
Special Instructions:
Phone: 925.299.1140
email & phone 9257195842

## PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 4
Project Zip Code:
Sampling Date & Time: 2/12/11
PO Number: 2372.02-572

## TURNAROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

## REQUESTED SERVICES

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™, Andersen, SAS, ..., Water, Bulk, Dust, Soil, Contact Plate

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume/Area (as applicable) | NOTES: Comments, Temp, etc. | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Asp. spp.) | 2-Media Surface Fungi (Genus ID + Asp. spp.) | 3-Media Surface Fungi (Genus ID + Asp. spp.) | Culturable Air Fungi (Genus ID + Asp. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | QuantiTray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2372-212-F4A01 | Exterior NE | ST | WH | 75 | 11 | X | | | | | | | | | | | | | | | | |
| 2372-212-F4A02 | Floor 4 Ambient SE Hall | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372-212-F4A03 | Floor 4 Room 4A Containment | ST | WH | 75 | | X | | | | | | | | | | | | | | | | |
| 2372-212-F4A04 | Exterior SW | ST | WH | 75 | 11 | X | | | | | | | | | | | | | | | | |

## SAMPLE TYPE CODES

| | | | |
|---|---|---|---|
| BC - BioCassette™ | ST - Spore Trap: Zefon, Allergenco, Burkard... | T - Tape | D - Dust |
| AIS - Andersen | | SW - Swab | SO - Soil |
| SAS - Surface Air Sampler | P - Potable Water | B - Bulk | |
| CP - Contact Plate | NP - Non-Potable Water | O - Other: | |

| RELINQUISHED BY | DATE & TIME |
|---|---|
| [illegible] | 2/12/11 [illegible] |

| RECEIVED BY | DATE & TIME |
|---|---|
| Doug Bay | 2/12/11 |
| C Schatz | 2/12/11 1pm |

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2/12/11 F4 AIR

**EMLab P&K**

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 4 WDA
EML ID: 758061

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Direct microscopic exam (Qualitative): 03-03-2011

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

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 correction of results is not applied. 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.

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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4 WDA

Date of Sampling: 03-01-2011
Date of Receipt: 03-02-2011
Date of Report: 03-03-2011

## 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‡: 3352924-1: Tape sample 2372.30111.F4T01: SE po1, stain on gb ac | | | | |
| Moderate | Very few | < 1+ *Cladosporium* species (spores, hyphae) | None | Minimal 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".

# CHAIN OF CUSTODY EMLab P&K

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

000758061

| WEATHER | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| None | X | X | X | X | |
| Light | | | | | |
| Moderate | | | | | |
| Heavy | | | | | |

## CONTACT INFORMATION

Company: LaCroix Davis, LLC
Contact: C. Corpuz; T. Ice; A. Steinbach; A. McKinley
Phone: 925.299.1140
Address: 3685 Mt. Diablo Blvd, Ste 210 Lafayette, CA 94549
Special Instructions: email contacts

## PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 4 WDA
Project Zip Code:
Sampling Date & Time: 3/01/11 18:15
PO Number: 2372.02-572

## TURNAROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Notice received after 2 pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

## REQUESTED SERVICES

| Sample ID | Description | Sample Type (below) | TAT (above) | Total Volume/Area (as applicable) | NOTES (Time of day, Temp, RH, etc.) | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Asp. spp.) | 2-Media Surface Fungi (Genus ID + Asp. spp.) | 3-Media Surface Fungi (Genus ID + Asp. spp.) | Culturable Air Fungi (Genus ID + Asp. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | QuantiTray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2372.30111r | F4T01 SS POL, stain on GB ac | T | STD | — | | | | X | | | | | | | | | | | | | | |

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate
Other Requests

## SAMPLE TYPE CODES

| | | | |
|---|---|---|---|
| BC - BioCassette™ | ST - Spore Trap: Zefon, Allergenco, Burkard... | T - Tape | D - Dust |
| AIS - Andersen | | SW - Swab | SO - Soil |
| SAS - Surface Air Sampler | P - Potable Water | B - Bulk | |
| CP - Contact Plate | NP - Non-Potable Water | O - Other: | |

| RELINQUISHED BY | DATE & TIME |
|---|---|
| Mcomsk | 3/2/11 |

| RECEIVED BY | DATE & TIME |
|---|---|
| Drop Box | |
| C Schatz | 3/2/11 8:30am |

3/1/11 F4 WDA

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**EMLab P&K**

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 1 and Floor 4
EML ID: 778843

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 04-30-2011

Service SOPs: Spore trap analysis (1038)

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 correction of results is not applied. 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

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 and Floor 4

Date of Sampling: 04-30-2011
Date of Receipt: 04-30-2011
Date of Report: 04-30-2011

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372.430.F4A01: Floor 4 SE ambient | | 2372.430.F4A02: Floor 4 cube 76 containment | | 2372.430.F1A03: Cafe ambient | | 2372.430.F1A04: Cafe column loto | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | A | | A | | A | | A | |
| Lab ID-Version‡: | 3447340-1 | | 3447341-1 | | 3447342-1 | | 3447343-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | | | | | | |
| Arthrinium | | | | | | | | |
| Ascospores* | | | | | | | | |
| Aureobasidium | | | | | | | | |
| Basidiospores* | | | 1 | 13 | | | | |
| Bipolaris/Drechslera group | | | | | | | | |
| Chaetomium | | | | | | | | |
| Cladosporium | 1 | 13 | | | 4 | 53 | | |
| Curvularia | | | | | | | | |
| Epicoccum | | | | | | | | |
| Fusarium | | | | | | | | |
| Nigrospora | | | | | | | | |
| Oidium | | | | | | | | |
| Other brown | | | | | | | | |
| Penicillium/Aspergillus types† | | | | | | | | |
| Pithomyces | | | | | | | | |
| Rusts* | | | | | | | | |
| Smuts*, Periconia, Myxomycetes* | | | | | 1 | 13 | 1 | 13 |
| Stachybotrys | | | | | | | | |
| Stemphylium | | | | | | | | |
| Torula | | | | | | | | |
| Ulocladium | | | | | | | | |
| Background debris (1-4+)†† | 2+ | | 1+ | | 2+ | | 2+ | |
| Hyphal fragments/m3 | 13 | | < 13 | | < 13 | | 27 | |
| Pollen/m3 | 13 | | 13 | | 27 | | < 13 | |
| Skin cells (1-4+) | 1+ | | 1+ | | 1+ | | 1+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 13 | | 13 | | 67 | | 13 |

**Comments:** A) Analysis of replicate sample is delayed. Secondary data review is delayed.
Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* 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 then 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.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ 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.

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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 and Floor 4

Date of Sampling: 04-30-2011
Date of Receipt: 04-30-2011
Date of Report: 04-30-2011

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372.430.F1A05: Cafe vending trash | | 2372.430.F1A06: Cafe loto trash | | 2372.430.F1A07: Exterior post N | |
|---|---|---|---|---|---|---|
| Comments (see below) | A | | A | | A | |
| Lab ID-Version‡: | 3447344-1 | | 3447345-1 | | 3447346-1 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | | | | |
| Arthrinium | | | | | | |
| Ascospores* | | | | | 2 | 110 |
| Aureobasidium | | | | | | |
| Basidiospores* | 1 | 13 | | | | |
| Bipolaris/Drechslera group | | | | | 1 | 13 |
| Chaetomium | | | 1 | 13 | 1 | 13 |
| Cladosporium | | | 2 | 27 | 6 | 320 |
| Curvularia | | | | | | |
| Epicoccum | | | | | | |
| Fusarium | | | | | | |
| Nigrospora | | | | | 5 | 67 |
| Oidium | | | | | 3 | 40 |
| Other brown | 1 | 13 | 1 | 13 | | |
| Penicillium/Aspergillus types† | 1 | 13 | | | | |
| Pithomyces | | | | | | |
| Rusts* | 1 | 13 | | | | |
| Smuts*, Periconia, Myxomycetes* | | | | | 5 | 67 |
| Stachybotrys | | | | | | |
| Stemphylium | | | | | | |
| Torula | | | | | 6 | 80 |
| Ulocladium | | | | | | |
| Background debris (1-4+)†† | 3+ | | 2+ | | 3+ | |
| Hyphal fragments/m3 | < 13 | | 13 | | 53 | |
| Pollen/m3 | < 13 | | < 13 | | 110 | |
| Skin cells (1-4+) | 1+ | | 1+ | | < 1+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 53 | | 53 | | 710 |

**Comments:** A) Analysis of replicate sample is delayed. Secondary data review is delayed.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* 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 then 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.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ 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.

**EMLab P&K**
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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 1 and Floor 4

Date of Sampling: 04-30-2011
Date of Receipt: 04-30-2011
Date of Report: 04-30-2011

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372.430.F1A07, Exterior post N

| Fungi Identified | Outdoor data | Typical Outdoor Data by Date† Month: April | | | | Typical Outdoor Data by Location‡ State: CA | | | |
|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | low | med | high | freq % | low | med | high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | |
| Alternaria | - | 7 | 27 | 240 | 40 | 7 | 27 | 230 | 52 |
| Bipolaris/Drechslera group | 13 | 7 | 13 | 130 | 11 | 7 | 13 | 130 | 12 |
| Chaetomium | 13 | 7 | 13 | 130 | 10 | 7 | 13 | 120 | 19 |
| Cladosporium | 320 | 27 | 310 | 5,300 | 89 | 53 | 590 | 7,800 | 96 |
| Curvularia | - | 7 | 13 | 230 | 7 | 7 | 13 | 230 | 7 |
| Nigrospora | 67 | 7 | 13 | 93 | 7 | 7 | 13 | 200 | 9 |
| Penicillium/Aspergillus types | - | 13 | 150 | 1,500 | 68 | 33 | 210 | 2,400 | 83 |
| Stachybotrys | - | 7 | 13 | 440 | 3 | 7 | 13 | 230 | 4 |
| Torula | 80 | 7 | 13 | 160 | 9 | 7 | 13 | 160 | 11 |
| **Seldom found growing indoors**** | | | | | | | | | |
| Ascospores | 110 | 13 | 110 | 3,600 | 75 | 13 | 110 | 2,100 | 69 |
| Basidiospores | - | 13 | 210 | 7,200 | 89 | 13 | 210 | 8,700 | 92 |
| Oidium | 40 | 7 | 13 | 270 | 18 | 7 | 13 | 200 | 18 |
| Rusts | - | 7 | 13 | 270 | 17 | 7 | 13 | 270 | 25 |
| Smuts, Periconia, Myxomycetes | 67 | 7 | 27 | 440 | 55 | 7 | 40 | 560 | 67 |
| **§ TOTAL SPORES/m3** | 710 | | | | | | | | |

† 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.

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

*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.

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| WEATHER | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| None | X | X | X | | |
| Light | | | | X | |
| Moderate | | | | | |
| Heavy | | | | | |

LEVEL

000778843

## CONTACT INFORMATION

Company: LaBrox Davis, LLC
Contact: C. Corpuz; T. Ice; A. Steinbach
Phone: 925.299.1140
Address: 3685 Mt. Diablo Blvd, Ste 210 Lafayette, CA 94549
Special Instructions: email contacts (ST)

## PROJECT INFORMATION

Project ID: DGS - BOE
Project Desc.: Floor 1 and Floor 4
Project Zip Code:
Sampling Date & Time: 4/30/11
PO Number: 2372.02-572

## TURN AROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

## REQUESTED SERVICES

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™ Andersen, SAS, Sw... Water, Bulk, Dust, Soil, Contact Plate

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume/Area (as applicable) | NOTES (Time of day, Temp, RH, etc.) | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + App. spp.) | 2-Media Surface Fungi (Genus ID + App. spp.) | 3-Media Surface Fungi (Genus ID + App. spp.) | Culturable Air Fungi (Genus ID + App. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | QuantiTray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | PCR (please specify test) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2372.430.F4A01 | Floor 4 SE Ambient | ST | WH | 75 | 8:53 | X | | | | | | | | | | | | | | | | |
| 2372.430.F4A02 | Floor 4 Cube 76 Containment | ST | WH | 75 | 9:01 | X | | | | | | | | | | | | | | | | |
| 2372.430.F1A03 | Cafe Ambient | ST | WH | 75 | 9:13 | X | | | | | | | | | | | | | | | | |
| 2372.430.F1A04 | Cafe Column LOTO | ST | WH | 75 | 9:23 | X | | | | | | | | | | | | | | | | |
| 2372.430.F1A05 | Cafe Vending Trash | ST | WH | 75 | 9:41 | X | | | | | | | | | | | | | | | | |
| 2372.430.F1A06 | Cafe LOTO Trash | ST | WH | 75 | 9:56 | X | | | | | | | | | | | | | | | | |
| 2372.430.F1A07 | Exterior Post N. | ST | WH | 75 | 10:14 | X | | | | | | | | | | | | | | | | |

## SAMPLE TYPE CODES

| | | | |
|---|---|---|---|
| BC - BioCassette™ | ST - Spore Trap: Zefon, Allergenco, Burkard... | T - Tape | D - Dust |
| AIS - Andersen | | SW - Swab | SO - Soil |
| SAS - Surface Air Sampler | P - Potable Water | B - Bulk | |
| CP - Contact Plate | NP - Non-Potable Water | O - Other: | |

| RELINQUISHED BY | DATE & TIME |
|---|---|
| [illegible] | 4/30/11 |

| RECEIVED BY | DATE & TIME |
|---|---|
| Prop Box | |
| C. Schatz | 4/30/11 11am |

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4/30/11 F1, F4 AIR

**EMLab P&K**

Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 4, Janitor Room Floor
EML ID: 884624

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 02-06-2012

Service SOPs: Spore trap analysis (1038)

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 correction of results is not applied. 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

**EMLab P&K**
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4, Janitor Room Floor

Date of Sampling: 02-04-2012
Date of Receipt: 02-04-2012
Date of Report: 02-04-2012

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 2372.020412.EA01: Exterior South | | 2372.020412. F4A02: Floor 4 Ambient So. Hall | | 2372.020412. F4A03: Floor 4 Janitor Containment | | 2372.020412.EA04: Exterior North | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | None | | None | | None | | None | |
| Lab ID-Version‡: | 3928863-2 | | 3928864-2 | | 3928865-2 | | 3928866-2 | |
| Analysis Date: | 02/06/2012 | | 02/06/2012 | | 02/06/2012 | | 02/06/2012 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | | | 1 | 13 | | | 1 | 13 |
| Ascospores* | 13 | 690 | | | | | 4 | 210 |
| Basidiospores* | 21 | 1,100 | | | 1 | 53 | 17 | 910 |
| Bipolaris/Drechslera group | | | 1 | 13 | | | | |
| Chaetomium | | | | | | | | |
| Cladosporium | 45 | 2,400 | 1 | 53 | 1 | 53 | 14 | 750 |
| Epicoccum | 4 | 53 | 1 | 13 | 1 | 13 | | |
| Nigrospora | | | | | | | | |
| Other colorless | | | | | | | | |
| Penicillium/Aspergillus types† | 6 | 320 | | | | | 2 | 110 |
| Pithomyces | | | | | | | | |
| Rusts* | | | | | | | | |
| Smuts*, Periconia, Myxomycetes* | | | 1 | 13 | | | 1 | 13 |
| Stachybotrys | | | | | | | | |
| Stemphylium | | | | | | | | |
| Torula | | | | | | | | |
| Ulocladium | | | | | | | | |
| Zygomycetes | | | | | | | | |
| Background debris (1-4+)†† | 2+ | | 3+ | | 2+ | | 2+ | |
| Hyphal fragments/m3 | < 13 | | 13 | | < 13 | | < 13 | |
| Pollen/m3 | 40 | | 120 | | < 13 | | 40 | |
| Skin cells (1-4+) | < 1+ | | 1+ | | 1+ | | < 1+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 4,600 | | 110 | | 120 | | 2,000 |

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* 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 then 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.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ 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.

**EMLab P&K**
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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4, Janitor Room Floor

Date of Sampling: 02-04-2012
Date of Receipt: 02-04-2012
Date of Report: 02-04-2012

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372.020412.EA01, Exterior South

| Fungi Identified | Outdoor data | Typical Outdoor Data for † February in California (n‡=14018) | | | | | | Typical Outdoor Data for † The entire year in California (n‡=173838) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | very low | low | med | high | very high | freq % | very low | low | med | high | very high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | | | | | |
| Alternaria | - | 13 | 13 | 20 | 40 | 67 | 39 | 13 | 13 | 27 | 67 | 110 | 55 |
| Bipolaris/Drechslera group | - | 7 | 13 | 13 | 27 | 40 | 7 | 7 | 13 | 13 | 27 | 40 | 12 |
| Chaetomium | - | 7 | 13 | 13 | 27 | 40 | 9 | 8 | 13 | 13 | 27 | 44 | 19 |
| Cladosporium | 2,400 | 80 | 160 | 400 | 1,000 | 1,700 | 95 | 110 | 210 | 640 | 1,700 | 2,800 | 97 |
| Curvularia | - | 7 | 10 | 13 | 13 | 28 | 2 | 7 | 13 | 13 | 27 | 53 | 6 |
| Epicoccum | 53 | 7 | 13 | 13 | 27 | 53 | 12 | 8 | 13 | 13 | 33 | 53 | 19 |
| Nigrospora | - | 7 | 11 | 13 | 13 | 27 | 4 | 7 | 13 | 13 | 27 | 53 | 8 |
| Penicillium/Aspergillus types | 320 | 53 | 67 | 190 | 480 | 800 | 83 | 53 | 110 | 210 | 590 | 1,000 | 85 |
| Stachybotrys | - | 13 | 13 | 13 | 40 | 84 | 3 | 7 | 13 | 13 | 33 | 67 | 4 |
| Torula | - | 7 | 13 | 13 | 40 | 53 | 5 | 8 | 13 | 13 | 40 | 67 | 12 |
| **Seldom found growing indoors**** | | | | | | | | | | | | | |
| Ascospores | 690 | 27 | 53 | 160 | 530 | 960 | 74 | 25 | 53 | 110 | 350 | 690 | 72 |
| Basidiospores | 1,100 | 53 | 110 | 450 | 2,000 | 4,200 | 96 | 53 | 80 | 270 | 1,000 | 2,300 | 94 |
| Rusts | - | 8 | 13 | 13 | 40 | 73 | 14 | 13 | 13 | 13 | 53 | 80 | 27 |
| Smuts, Periconia, Myxomycetes | - | 13 | 13 | 27 | 67 | 110 | 54 | 13 | 13 | 40 | 110 | 200 | 68 |
| **§ TOTAL SPORES/m3** | 4,600 | | | | | | | | | | | | |

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 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, 20% 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.

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

*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.

‡n = number of samples used to calculate data.

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.

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(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 4, Janitor Room Floor

Date of Sampling: 02-04-2012
Date of Receipt: 02-04-2012
Date of Report: 02-04-2012

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 2372.020412.EA04, Exterior North

| Fungi Identified | Outdoor data | Typical Outdoor Data for † February in California (n‡=14018) | | | | | | Typical Outdoor Data for † The entire year in California (n‡=173838) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | very low | low | med | high | very high | freq % | very low | low | med | high | very high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | | | | | |
| Alternaria | 13 | 13 | 13 | 20 | 40 | 67 | 39 | 13 | 13 | 27 | 67 | 110 | 55 |
| Bipolaris/Drechslera group | - | 7 | 13 | 13 | 27 | 40 | 7 | 7 | 13 | 13 | 27 | 40 | 12 |
| Chaetomium | - | 7 | 13 | 13 | 27 | 40 | 9 | 8 | 13 | 13 | 27 | 44 | 19 |
| Cladosporium | 750 | 80 | 160 | 400 | 1,000 | 1,700 | 95 | 110 | 210 | 640 | 1,700 | 2,800 | 97 |
| Curvularia | - | 7 | 10 | 13 | 13 | 28 | 2 | 7 | 13 | 13 | 27 | 53 | 6 |
| Epicoccum | - | 7 | 13 | 13 | 27 | 53 | 12 | 8 | 13 | 13 | 33 | 53 | 19 |
| Nigrospora | - | 7 | 11 | 13 | 13 | 27 | 4 | 7 | 13 | 13 | 27 | 53 | 8 |
| Penicillium/Aspergillus types | 110 | 53 | 67 | 190 | 480 | 800 | 83 | 53 | 110 | 210 | 590 | 1,000 | 85 |
| Stachybotrys | - | 13 | 13 | 13 | 40 | 84 | 3 | 7 | 13 | 13 | 33 | 67 | 4 |
| Torula | - | 7 | 13 | 13 | 40 | 53 | 5 | 8 | 13 | 13 | 40 | 67 | 12 |
| **Seldom found growing indoors**** | | | | | | | | | | | | | |
| Ascospores | 210 | 27 | 53 | 160 | 530 | 960 | 74 | 25 | 53 | 110 | 350 | 690 | 72 |
| Basidiospores | 910 | 53 | 110 | 450 | 2,000 | 4,200 | 96 | 53 | 80 | 270 | 1,000 | 2,300 | 94 |
| Rusts | - | 8 | 13 | 13 | 40 | 73 | 14 | 13 | 13 | 13 | 53 | 80 | 27 |
| Smuts, Periconia, Myxomycetes | 13 | 13 | 13 | 27 | 67 | 110 | 54 | 13 | 13 | 40 | 110 | 200 | 68 |
| **§ TOTAL SPORES/m3** | 2,000 | | | | | | | | | | | | |

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 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, 20% 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.

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**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.

‡n = number of samples used to calculate data.

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| WEATHER | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| None | | | | | ✓ |
| Light | | | | | ✓ |
| Moderate | | | | | |
| Heavy | | | | | |

000884624

## CONTACT INFORMATION

Company: LaCroix DAVIS, LLC
Contact: C Corpuz; T. Ice; A. Steinbach
Phone: 925-299-1140
Address: 1685 Mt. Diablo Blvd., Ste 210, Lafayette, CA, 94549
Special Instructions:

## PROJECT INFORMATION

Project ID: DGS - BOE
Project Desc.: Floor 4 Janitor Room Floor
Project Zip Code:
Sampling Date & Time: 2/2/12 - 2/4/12
PO Number: 2372-02-572

## TURN AROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

## REQUESTED SERVICES

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™, Andersen, SAS, Water, Bulk, Dust, Soil, Contact Plate

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume/Area (as applicable) | NOTES (time of day, Temp, RH, etc.) | Fungi - Spore Trap Analysis | Spore Trap Analysis - Other particles | Direct Microscopic Exam (Qualitative) | Quantitative Spore Count Direct Exam | 1-Media Surface Fungi (Genus ID + Asp. spp.) | 2-Media Surface Fungi (Genus ID + Asp. spp.) | 3-Media Surface Fungi (Genus ID + Asp. spp.) | Culturable Air Fungi (Genus ID + Asp. spp.) | Gram Stain and Counts (Culturable Air and Surface Bacteria) | Legionella culture | Total Coliform, E.coli (Presence/Absence) | Membrane Filtration (Please specify organism) | MPN Bacteria (Please specify organism) | QuantiTray - Sewage Screen | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116) | Other (please specify) | Floor Janitor Room | AIR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2372-020212-EA01 | Exterior South | ST | WH | 75 | 02:14 | X | | | | | | | | | | | | | | | | | | |
| 2372-020212-F4A02 | Floor 4 Ambient So. Hall | ST | WH | 75 | 02:24 | X | | | | | | | | | | | | | | | | | | |
| 2372-020212-F4A03 | Floor 4 Janitor Containment | ST | WH | 75 | 02:32 | X | | | | | | | | | | | | | | | | | | |
| 2372-020212-EA04 | Exterior North | ST | WH | 75 | 02:44 | X | | | | | | | | | | | | | | | | | | |

## SAMPLE TYPE CODES

| | | | |
|---|---|---|---|
| BC - BioCassette™ | ST - Spore Trap: Zefon, Allergenco, Burkard... | T - Tape | D - Dust |
| AIS - Andersen | | SW - Swab | SO - Soil |
| SAS - Surface Air Sampler | P - Potable Water | B - Bulk | |
| - Contact Plate | NP - Non-Potable Water | O - Other: | |

| RELINQUISHED BY | DATE & TIME | RECEIVED BY | DATE & TIME |
|---|---|---|---|
| Theon Ice | 2/4/12 03:00 | DROP BOX | 2/4/12 8:00am |

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Report for:

**Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach**
**LaCroix Davis, LLC**
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

---

Regarding: Project: BPM-BOE; Floor 4 Rooms 415 and 416
EML ID: 922725

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 05-14-2012

Service SOPs: Spore trap analysis (1038)

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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 correction of results is not applied. 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

**EMLab P&K**
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: BPM-BOE; Floor 4 Rooms 415 and 416

Date of Sampling: 05-12-2012
Date of Receipt: 05-12-2012
Date of Report: 05-12-2012

## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

| Location: | 51212-A01: Exterior South | | 51212-A02: Floor 4 SE Ambient | | 51212-A03: Room 415 and 416 | | 51212-A04: Exterior North | |
|---|---|---|---|---|---|---|---|---|
| Comments (see below) | None | | None | | None | | None | |
| Lab ID-Version‡: | 4108374-2 | | 4108375-2 | | 4108376-2 | | 4108377-2 | |
| Analysis Date: | 05/14/2012 | | 05/14/2012 | | 05/14/2012 | | 05/14/2012 | |
| | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 | raw ct. | spores/m3 |
| Alternaria | 1 | 13 | | | | | 10 | 130 |
| Ascospores | 15 | 800 | | | | | 15 | 800 |
| Basidiospores | 2 | 110 | | | | | 14 | 750 |
| Chaetomium | | | | | | | | |
| Cladosporium | 52 | 2,800 | | | | | 69 | 3,700 |
| Epicoccum | | | | | | | | |
| Fusarium | | | | | | | | |
| Myrothecium | | | | | | | | |
| Nigrospora | | | | | | | | |
| Oidium | 2 | 27 | | | | | 3 | 40 |
| Other colorless | | | | | | | | |
| Penicillium/Aspergillus types† | | | | | | | 3 | 160 |
| Pithomyces | | | | | | | | |
| Rusts | 16 | 210 | | | | | 30 | 400 |
| Smuts, Periconia, Myxomycetes | 61 | 810 | | | | | 174 | 2,300 |
| Stachybotrys | | | | | | | | |
| Stemphylium | 1 | 13 | | | | | | |
| Torula | | | 1 | 13 | | | | |
| Ulocladium | 2 | 27 | | | | | 1 | 13 |
| Zygomycetes | | | | | | | | |
| Background debris (1-4+)†† | 2+ | | 1+ | | 2+ | | 2+ | |
| Hyphal fragments/m3 | 67 | | < 13 | | 13 | | 200 | |
| Pollen/m3 | 450 | | < 13 | | < 13 | | 510 | |
| Skin cells (1-4+) | 1+ | | < 1+ | | < 1+ | | < 1+ | |
| Sample volume (liters) | 75 | | 75 | | 75 | | 75 | |
| **§ TOTAL SPORES/m3** | | 4,800 | | 13 | | < 13 | | 8,300 |

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† 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 then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ 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.

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Re: BPM-BOE; Floor 4 Rooms 415 and 416

Date of Sampling: 05-12-2012
Date of Receipt: 05-12-2012
Date of Report: 05-12-2012

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 51212-A01, Exterior South

| Fungi Identified | Outdoor data | Typical Outdoor Data for: May in California (n‡=14606)† | | | | | | Typical Outdoor Data for: The entire year in California (n‡=175031)† | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | very low | low | med | high | very high | freq % | very low | low | med | high | very high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | | | | | |
| Alternaria | 13 | 13 | 13 | 40 | 80 | 130 | 66 | 13 | 13 | 27 | 67 | 110 | 55 |
| Bipolaris/Drechslera group | - | 7 | 13 | 13 | 27 | 40 | 13 | 7 | 13 | 13 | 27 | 40 | 12 |
| Chaetomium | - | 7 | 13 | 13 | 27 | 40 | 23 | 8 | 13 | 13 | 27 | 44 | 19 |
| Cladosporium | 2,800 | 110 | 210 | 590 | 1,500 | 2,500 | 98 | 110 | 210 | 640 | 1,700 | 2,800 | 97 |
| Curvularia | - | 7 | 11 | 13 | 25 | 27 | 2 | 7 | 13 | 13 | 27 | 53 | 6 |
| Nigrospora | - | 7 | 11 | 13 | 13 | 27 | 4 | 7 | 13 | 13 | 27 | 53 | 8 |
| Penicillium/Aspergillus types | - | 53 | 53 | 180 | 430 | 740 | 81 | 53 | 110 | 210 | 590 | 1,000 | 85 |
| Stachybotrys | - | 7 | 13 | 13 | 33 | 67 | 5 | 7 | 13 | 13 | 33 | 67 | 4 |
| Stemphylium | 13 | 7 | 13 | 13 | 27 | 40 | 13 | 7 | 13 | 13 | 27 | 40 | 9 |
| Torula | - | 13 | 13 | 13 | 52 | 80 | 19 | 8 | 13 | 13 | 40 | 67 | 12 |
| Ulocladium | 27 | 7 | 13 | 13 | 27 | 33 | 8 | 8 | 13 | 13 | 27 | 40 | 10 |
| **Seldom found growing indoors**** | | | | | | | | | | | | | |
| Ascospores | 800 | 26 | 53 | 110 | 320 | 590 | 74 | 25 | 53 | 110 | 350 | 690 | 72 |
| Basidiospores | 110 | 40 | 67 | 210 | 690 | 1,400 | 92 | 53 | 80 | 270 | 1,000 | 2,300 | 94 |
| Oidium | 27 | 13 | 13 | 25 | 53 | 80 | 33 | 13 | 13 | 13 | 40 | 75 | 19 |
| Rusts | 210 | 13 | 13 | 27 | 53 | 93 | 41 | 13 | 13 | 13 | 53 | 80 | 27 |
| Smuts, Periconia, Myxomycetes | 810 | 13 | 27 | 67 | 200 | 360 | 80 | 13 | 13 | 40 | 110 | 200 | 68 |
| **§ TOTAL SPORES/m3** | 4,800 | | | | | | | | | | | | |

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 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, 20% 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.

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

*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.

‡n = number of samples used to calculate data.

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.

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Re: BPM-BOE; Floor 4 Rooms 415 and 416

Date of Sampling: 05-12-2012
Date of Receipt: 05-12-2012
Date of Report: 05-12-2012

## MoldRANGE™: Extended Outdoor Comparison

## Outdoor Location: 51212-A04, Exterior North

| Fungi Identified | Outdoor data | Typical Outdoor Data for: May in California (n‡=14606)† | | | | | | Typical Outdoor Data for: The entire year in California (n‡=175031)† | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | spores/m3 | very low | low | med | high | very high | freq % | very low | low | med | high | very high | freq % |
| **Generally able to grow indoors*** | | | | | | | | | | | | | |
| Alternaria | 130 | 13 | 13 | 40 | 80 | 130 | 66 | 13 | 13 | 27 | 67 | 110 | 55 |
| Bipolaris/Drechslera group | - | 7 | 13 | 13 | 27 | 40 | 13 | 7 | 13 | 13 | 27 | 40 | 12 |
| Chaetomium | - | 7 | 13 | 13 | 27 | 40 | 23 | 8 | 13 | 13 | 27 | 44 | 19 |
| Cladosporium | 3,700 | 110 | 210 | 590 | 1,500 | 2,500 | 98 | 110 | 210 | 640 | 1,700 | 2,800 | 97 |
| Curvularia | - | 7 | 11 | 13 | 25 | 27 | 2 | 7 | 13 | 13 | 27 | 53 | 6 |
| Nigrospora | - | 7 | 11 | 13 | 13 | 27 | 4 | 7 | 13 | 13 | 27 | 53 | 8 |
| Penicillium/Aspergillus types | 160 | 53 | 53 | 180 | 430 | 740 | 81 | 53 | 110 | 210 | 590 | 1,000 | 85 |
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| Ulocladium | 13 | 7 | 13 | 13 | 27 | 33 | 8 | 8 | 13 | 13 | 27 | 40 | 10 |
| **Seldom found growing indoors**** | | | | | | | | | | | | | |
| Ascospores | 800 | 26 | 53 | 110 | 320 | 590 | 74 | 25 | 53 | 110 | 350 | 690 | 72 |
| Basidiospores | 750 | 40 | 67 | 210 | 690 | 1,400 | 92 | 53 | 80 | 270 | 1,000 | 2,300 | 94 |
| Oidium | 40 | 13 | 13 | 25 | 53 | 80 | 33 | 13 | 13 | 13 | 40 | 75 | 19 |
| Rusts | 400 | 13 | 13 | 27 | 53 | 93 | 41 | 13 | 13 | 13 | 53 | 80 | 27 |
| Smuts, Periconia, Myxomycetes | 2,300 | 13 | 27 | 67 | 200 | 360 | 80 | 13 | 13 | 40 | 110 | 200 | 68 |
| **§ TOTAL SPORES/m3** | 8,300 | | | | | | | | | | | | |

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 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, 20% 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.

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# CHAIN OF CUSTODY

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EMLab P&K
A TestAmerica Company

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Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

| Weather | Fog | Rain | Snow | Wind | Clear |
|---|---|---|---|---|---|
| None | ☐ | ☐ | ☐ | ☐ | |
| Light | ☐ | ☐ | ☐ | ☐ | |
| Moderate | ☐ | ☐ | ☐ | ☐ | |
| Heavy | ☐ | ☐ | ☐ | ☐ | |

REQUESTED SER
(Use check boxes)

000922725

## CONTACT INFORMATION

| | |
|---|---|
| Company: | LaCroix Davis, LLC |
| Contact: | C. Corpuz; T. Ica; A. Steinbach |
| Phone: | 925-299-1140 |
| Address: | 3685 Mt. Diablo Blvd. Ste 210 Lafayette, CA 94549 |
| Special Instructions: | |

## PROJECT INFORMATION

| | |
|---|---|
| Project ID: | BPM-BOE |
| Project Description: | Floor 4 Rooms 415 and 416 |
| Project Zip Code: | |
| Sampling Date & Time: | 5/12/12 |
| PO Number: | |

## TURNAROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush
WH – Weekend / Holiday

Rushes received after 2 pm or on weekends will be considered received the next business day. Please call us in advance of weekend analysis needs.

| Sample ID | Description | Sample Type (Below) | TAT (Above) | Total Volume / Area (Liters / Sq. Ft.) | Notes (Time of day / Temp. / RH, etc.) |
|---|---|---|---|---|---|
| 51212-A01 | Exterior South | ST | WH | 75 | 8:42 |
| 51212-A02 | Floor 4 SE Ambient | ST | WH | 75 | |
| 51212-A03 | Room 415 and 416 | ST | WH | ~~0~~ 75 | contaminated |
| 51212-A04 | Exterior North | ST | WH | 75 | 9:15 |

| Sample ID | Non-Culturable: Spore Trap | Non-Culturable: Tape Swab Bulk | Culturable: BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates | Other Requests |
|---|---|---|---|---|
| 51212-A01 | Fungi – Spore Trap Analysis ☒; Spore Trap Analysis – Other particles ☐; Direct Microscopic Exam (Qualitative) ☐; Quantitative Spore Count Direct Exam ☐ | | 1-Media Surface Fungi (Genus ID + Asp. spp.) ☐; 2-Media Surface Fungi (Genus ID + Asp. spp.) ☐; 3-Media Surface Fungi (Genus ID + Asp. spp.) ☐; Culturable Air Fungi (Genus ID + Asp. spp.) ☐; Gram Stain & Counts (Culturable Air & Surface Bacteria) ☐; Legionella culture ☐; Total Coliform, E. coli (Presence/Absence) ☐; Membrane Filtration (specify organism): ☐; MPN Bacteria (specify organism): ☐; QuantiTray – Sewage Screen ☐ | Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400) ☐; Asbestos Analysis – PLM (EPA method 600/R-93-116) ☐; PCR (specify test): ☐; Specify Service ☐ |
| 51212-A02 | ☒ | | | |
| 51212-A03 | ☒ | | | |
| 51212-A04 | ☒ | | | |

## SAMPLE TYPE CODES

| | | | |
|---|---|---|---|
| BC – BioCassette™ | ST – Spore Trap: Zefon, Allergenco, Burkard ... | T – Tape | D – Dust |
| AIS – Anderson | P – Potable Water | SW – Swab | SO – Soil |
| SAS – Surface Air Sampler | NP – Non-Potable Water | B – Bulk | |
| CP – Contact Plate | | O – Other: | |

| RELINQUISHED BY | DATE & TIME | RECEIVED BY | DATE & TIME |
|---|---|---|---|
| [illegible] | 5/12/12 21:05 | [illegible] | 5/12/12 945 |

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