

5/15/18

Bixby Public Schools  
116 N Armstrong  
Bixby, OK 74008

Project: Bixby High School, Boys Locker Room.

We performed airborne mold samples in the remediation area at the above location. This sampling was performed to determine airborne mold concentrations.

Results from the survey indicate that all indoor concentrations are half or less of the outdoor concentration and are therefore within current guidelines. No airborne *Stachybotrys* was detected.

Tape lift samples were taken from the shower, ceiling tile and AC vent. Please see attached report.

## **Methods**

### **Calibration of Pumps**

Air sampling pumps were calibrated in the field before and after the survey, utilizing a secondary calibration device, namely a calibrated precision rotometer. This secondary calibration device is calibrated in-house on a quarterly basis utilizing a primary standard namely a frictionless piston of known volume and an accurate chronometer.

## **Methods**

### **Mold/Fungi**

Air sampling for mold/fungi was accomplished by the use of an Allergenco media drawing air at a flow rate of 15 liters per minute, for a total sampling time of five minutes. As the mold/fungi pass through the air and into the Allergenco, they are impacted onto the media inside the sampling train and retained therein. At the end of each sampling procedure, the cassette plate is carefully removed from the sampling device, capped, sealed, and identified with an individual identification number.

## **Standards**

### **Mold/Fungi**

Earth Tech Enterprises, Inc.  
5409 E 15th St  
Tulsa, OK 74112  
918-712-9163

Currently, there are no standards for acceptable levels of microorganisms in bio-aerosol samples derived from indoor environments. However, for the purpose of this report, the guidelines proposed by the United States Environmental Protection Agency (USEPA), as outlined in Protocol 600/8-91/202, 1992, and the American Industrial Hygiene Association (AIHA) Field Guide for the determination of biological contaminants in environmental samples 1996, and the American Conference of Governmental Hygienists (ACGIH) Bio-aerosols 1999 have been adopted. The upper acceptable level in bulk sample is considered when the concentration is above 10,000 colony forming units per gram (CFU/g).

If you have any questions please feel free to contact us.

Thank you,



Daryl L. Lessin  
President



05/15/18

Bixby Public Schools  
601 S Riverview Dr  
Bixby, OK 74008

Project: Bixby High School  
Boy's Locker Room

Date Collected: 05/15/18  
Date Received: 05/15/18

Sample: 1 - 2371406 - Boy's Locker Near Shower

Air-Fungi Ct & ID	Counts	Result	Units	Percent
TOTAL AIR VOLUME (L)	75			

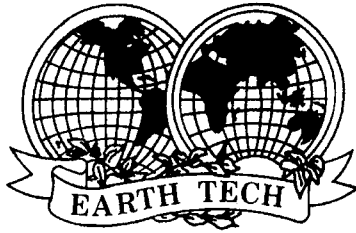
TOTAL ADJUSTED FUNGI	479 counts/m3
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FUNGI

Ascospores	213	44%
Penicillium/Aspergillus	213	44%
Cladosporium	53	11%

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Sample: 2 - 2371411 - Locker Area

Air-Fungi Ct & ID	Counts	Result	Units	Percent
TOTAL AIR VOLUME (L)	75			

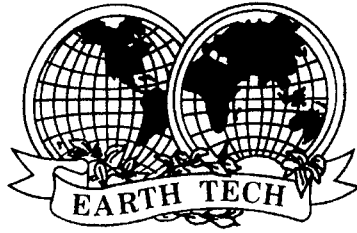
TOTAL ADJUSTED FUNGI	320 counts/m3
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FUNGI

Ascospores	107	33%
Penicillium/Aspergillus	160	50%
Cladosporium	53	17%

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Sample: 3 - 2371409 - Outdoor

Air-Fungi Ct & ID	Counts	Result	Units	Percent
TOTAL AIR VOLUME (L)	75			

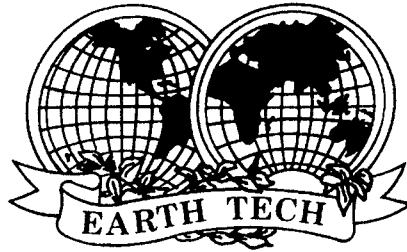
TOTAL ADJUSTED FUNGI	3412 counts/m3
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FUNGI

Ascospores	960	28%
Penicillium/Aspergillus	1333	39%
Botrytis	160	5%
Cladosporium	639	19%
Periconia	320	9%

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Sample No.	Mold Species	Approximate Percentage
4 From Under Shower Control	Penicillium/Aspergillus	5%
5 Back of 2x4 Ceiling Tile	Cladosporium	10%
6 Front of 2x4 Ceiling Tile	Cladosporium	20%
7 Vent Over Toilets	Alternaria Cladosporium	5% 5%

*Daryl L. Lessor*

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