



Report for:

**Richard Walters**  
**Bixby Public Schools**  
109 N. Armstrong  
Bixby, OK 74008

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Regarding: Project: Tech Bldg; Office; Warehouse  
EML ID: 2084307

Approved by:

Dates of Analysis:  
Spore trap analysis: 01-30-2019

Technical Manager  
Murali Putty

Service SOPs: Spore trap analysis (EM-MY-S-1038)  
AIHA-LAP, LLC accredited service, Lab ID #102856

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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.

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Client: Bixby Public Schools  
C/O: Richard Walters  
Re: Tech Bldg; Office; Warehouse

Date of Sampling: 01-25-2019  
Date of Receipt: 01-28-2019  
Date of Report: 01-30-2019

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	1: Pre Outside Air			2: Office 1			3: Office 2			4: Warehouse			5: Post Outside Air		
Comments (see below)	A			A			A			A			A		
Lab ID-Version‡:	9851666-1			9851667-1			9851668-1			9851669-1			9851670-1		
Analysis Date:	01/30/2019			01/30/2019			01/30/2019			01/30/2019			01/30/2019		
	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3	raw ct.	adj. ct.	spores/m3
Ascospores	1	4	27										1	4	27
Basidiospores	11	44	290										8	32	210
Bipolaris/Drechslera group															
Botrytis															
Chaetomium															
Cladosporium	8	32	210				1	4	27				15	60	400
Curvularia															
Epicoccum															
Fusarium															
Myrothecium															
Nigrospora															
Other colorless															
Penicillium/Aspergillus types†	1	4	27												
Pithomyces															
Rusts															
Smuts, Periconia, Myxomycetes													1	1	7
Stachybotrys															
Stemphylium															
Torula															
Ulocladium															
Zygomycetes															
Background debris (1-4+)††	2+			1+			2+			2+			3+		
Sample volume (liters)	150			150			150			150			150		
<b>§ TOTAL SPORES/m3</b>			560			< 7			27			< 7			650

Comments: A) Analysis of replicate sample is delayed.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

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

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

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.