

Environmental Concerns, Inc.  
Project # 20226

Asbestos Inspection

University of Louisville  
Belknap Campus  
Gottschalk Hall  
Window Renovation

# *Environmental Concerns, Inc.*

## Scope of Work

Environmental Concerns, Inc. provided an Asbestos Building Inspection of Gottschalk Hall located at 2301 South Third Street on Belknap Campus in Louisville, Kentucky. The renovation is limited to windows and first floor hall area.

Environmental Concerns conducted an asbestos inspection of the flooring prior to replacement. Potential asbestos-containing building materials were thoroughly inspected, sampled, and quantified by a Kentucky licensed Asbestos Building Inspector. The inspection was performed by Pete Gibson, on October 10, 2023.

The quantities contained within this report are estimates. If Abatement Contractor's use this report for bid preparation, they should conduct site inspections and determine their own quantities for calculation of their bids.

## Sample Selection Procedure

Our asbestos survey was semi-destructive in nature, and where feasible, bulk material samples were collected from "suspect" building materials. These samples consist of a small quantity of various materials which are considered suspect asbestos materials.

Asbestos-containing materials cannot be disturbed, moved, or broken, unless using special precautions and performed by a licensed Asbestos Abatement Contractor. However, additional sampling should be completed in any areas of the building where renovation or repair work will damage or disturb materials not previously shown to be free of asbestos. Each sample was collected in a controlled manner and placed in an airtight container with appropriate documentation. Samples were then delivered to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited environmental testing laboratory. Samples were analyzed via Polarized Light Microscopy (PLM) Samples are identified in the report by a numeric or an alphanumeric labeling system on the Chain of Custody. Results of the analysis are included as a part of this report.

## Summary

An asbestos-containing material is defined as containing greater than 1% asbestos. The following table lists the materials sampled and their respective asbestos content:

# Environmental Concerns, Inc.

SAMPLE NUMBER	SAMPLED MATERIAL	LOCATION	% ASBESTOS
GOTT-1	12" White/Tan Floor Tile/Black Mastic	1 <sup>st</sup> Floor Hall	Ch/5%
GOTT -2	12" White/Tan Floor Tile/Black Mastic/9" Fl. Tile	1 <sup>st</sup> Floor Hall	Ch/5%
GOTT -3	Plaster	1 <sup>st</sup> Floor Hall	None Detected
GOTT -4	Plaster	1 <sup>st</sup> Floor Hall	None Detected
GOTT -5	Plaster	1 <sup>st</sup> Floor Hall	None Detected
GOTT -6	Drywall /Compound	1 <sup>st</sup> Floor Hall	None Detected
GOTT -7	Drywall /Compound	1 <sup>st</sup> Floor Hall	None Detected
GOTT -8	Not Used		
GO-TT 9	Cove Base	1 <sup>st</sup> Floor Hall	None Detected
GOTT-10	Cove Base	1 <sup>st</sup> Floor Hall	None Detected
GOTT -11	Compound	1 <sup>st</sup> Floor Hall	None Detected
GOTT -12	Drywall	1 <sup>st</sup> Floor Hall	None Detected
GOTT -13	Compound	1 <sup>st</sup> Floor Hall	None Detected
GOTT-14	Glazing	1 <sup>st</sup> Floor Hall	None Detected
GOTT-15	Caulk	1 <sup>st</sup> Floor Hall	None Detected
GOTT-16	Glazing	1 <sup>st</sup> Floor Hall	None Detected
GOTT-17	Caulk	1 <sup>st</sup> Floor Hall	None Detected

## Summary of Asbestos Containing Materials

Nine inch floor tile is beneath the 12 inch floor tile in the first floor hallway. Nine inch floor tile is also present in the storage closet in hallway. The nine inch floor tile was sampled and resulted in positive tests for asbestos. Approximately 180 square feet is present. The floor tile and mastic (mastic is assumed if present) are nonfriable and in good condition.

If any 12" ceiling tiles and/or mastic are needed removed during the project, the materials should be considered asbestos containing.

If other materials are encountered during construction, work that may disturb materials should stop, and the materials should be assumed asbestos containing or sampled and proven otherwise.

The above materials should be removed by a Kentucky licensed Asbestos Abatement Company prior to any construction activities at the site that will disturb the material.

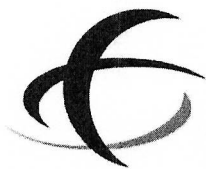
Prepared by,



Pete Gibson  
Asbestos Building Inspector

# *Environmental Concerns, Inc.*

## Sample Results



**McCall and Spero**  
**Environmental, Inc.**

Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223  
Phone (502) 244-7135 • FAX (502) 244-7136

E-mail: [customerservice@mselabs.com](mailto:customerservice@mselabs.com) • Website: [www.mselabs.com](http://www.mselabs.com)

Date: October 12, 2023

Attention: Pete Gibson  
Environmental Concerns, Inc.

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light  
Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-PO103ECI  
Gottschalk Hall Project

Dear Mr. Gibson:

McCall & Spero Environmental, Inc. has completed the analysis of the bulk samples we received from your offices on October 10, 2023. These samples represent the bulk samples from the Gottschalk Hall Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the twenty-three (23) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

Kevin R. Bean, B.A.  
PLM Laboratory Director



# SUMMARY OF PLM BULK ANALYSIS RESULTS

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Project Name: Gottschalk Hall Project

McCall & Spero Environmental Project No. MSE-PO103ECI

MSE # PO103ECI	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	GOT-1 12" Floor Tile	ND**	Cellulose / 3%	97%	Tan
002 (A)	GOT-2 (A) 12" Floor Tile	ND**	Cellulose / 3%	97%	Tan
002 (B)	GOT-2 (B) 9" Floor Tile	CH 5%	Cellulose / 3%	97%	Gray
003 (A)	GOT-3 (A) Plaster	ND**	Cellulose / 5%	95%	White
003 (B)	GOT-3 (B) Skim Coat	ND**	Cellulose / 2%	98%	Pink
004 (A)	GOT-4 (A) Plaster	ND**	Cellulose / 5%	95%	White
004 (B)	GOT-4 (B) Skim Coat	ND**	Cellulose / 2%	98%	White
005 (A)	GOT-5 (A) Plaster	ND**	Cellulose / 5%	95%	White
005 (B)	GOT-5 (B) Skim Coat	ND**	Cellulose / 2%	98%	Gray
006 (A)	GOT-6 (A) Drywall	ND	Cellulose / 10%	90%	White
006 (B)	GOT-6 (B) Compound	ND	Cellulose / 5%	95%	White
007 (A)	GOT-7 (A) Drywall	ND	Cellulose / 10%	90%	White
007 (B)	GOT-7 (B) Compound	ND	Cellulose / 5%	95%	White
008	GOT-9 Cove Base	ND**	Cellulose / 3%	97%	Brown
009	GOT-10 Cove Base	ND**	Cellulose / 3%	97%	Brown

McCall & Spero Environmental, Inc.

# SUMMARY OF PLM BULK ANALYSIS RESULTS

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MSE # PO103ECI	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
010 (A)	GOT-11 (A) 12" Floor Tile	ND**	Cellulose / 2%	98%	White
010 (B)	GOT-11 (B) 9" Floor Tile	CH 5%	Cellulose / 5%	95%	Brown
011	GOT-12 Glazing	ND**	Cellulose / 7%	93%	White
012	GOT-13 Caulk	ND**	Cellulose / 5%	95%	White
013	GOT-14 Glazing	ND**	Cellulose / 7%	93%	White
014	GOT-15 Caulk	ND**	Cellulose / 5%	95%	Gray
015	GOT-16 Glazing	ND**	Cellulose / 7%	93%	White
016	GOT-17 Caulk	ND**	Cellulose / 5%	95%	White

McCall & Spero Environmental, Inc.

# SUMMARY OF PLM BULK ANALYSIS RESULTS

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## NOTES:

ND = None Detected  
CR = Crocidolite

CH = Chrysotile  
AN = Anthophyllite

A = Amosite  
TR = Tremolite

AC = Actinolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within  $\pm 10\%$ . Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

\*\* EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Taylor B. Parmly Stone

Taylor Stone

McCall & Spero Environmental, Inc.





# McCall and Spero Environmental, Inc.

Specialists in Microanalysis

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E-mail: customerservice@mselabs.com • Website: www.mselabs.com

## BULK SAMPLE CHAIN OF CUSTODY FORM

Company: Environmental Concerns, Inc. Telephone #	(502) 458-4488	Fax #:	N/A
Contact: Pete Gibson	Client Project Number:		
Relinquished by: <i>PA DL</i>	Date: 10/10/23	Time:	
Written Report To: environconcerns@aol.com			
Project Name: <i>Groffs chalk Hall</i>			
Turn-Around (Circle One):	Same Day	<u>24 Hour</u>	2-3 Day    4-5 Day    Weekend    Rush    After Hour Rush
Analysis Requested (Circle One):	<u>PLM Bulk Analysis</u>	TEM Qualitative Analysis	TEM Quantitative Analysis (4-5 Day)

*For Laboratory Use Only*

MSE Project # <i>P0103ECI</i>	Method: EPA/600/R-93/116
Samples Received by: <i>TBS</i>	Date: 10/10/23    Time: 12pm

Client Sample Number	Location	Sample Description	Sampled By
GDT -1	Hall @ Entry RR	12" white tile floor	
-2	Hall @ door to exit	↓ 1/2" VMT	
-3		Plaster	
-4			
-5			
-6		Drywall / compound	
-7		*	
<del>PO 8</del>			
9	Hall @ exit doors	con base Brown	
10			
11	Hall @ intersection	12" White / Black 1/2" VMT	
12		Glazing	
13		Grout	
14		Glazing	
15		Conk	
16		Glazing	
17		Conk	

# *Environmental Concerns, Inc.*

## Inspectors License

Andy Beshear  
GOVERNOR



**ENERGY AND ENVIRONMENT**  
**DEPARTMENT FOR ENVIRONMENTAL PROTECTION**

300 Sower Boulevard  
Frankfort, Kentucky  
Phone: (502) 564-4245  
Fax: 502-564-4245

October 4, 2023

Pete L Gibson  
PO Box 19848  
Louisville, Kentucky 40259

**Commonwealth of Kentucky**  
Department for Environmental Protection  
Division for Air Quality

**Pete L Gibson**  
Has met the requirements of 401 KAR 500.005 and is accredited as an:

**Asbestos Inspector**

Agency Interest Id: **139798**  
License Number: **80310**  
Issue Date: **10/03/2023**  
Expiration Date: **09/07/2024**

Asbestos Inspector  
AI Number: 139798  
License Number: 80310  
Expires: September 7, 2024

Dear Pete L Gibson:

This is to acknowledge receipt of your application for accreditation as an asbestos abatement professional. Your application has been approved and the above-referenced card is enclosed.

Initial accreditation fee is \$100.00 per person per discipline, except for abatement worker (\$20.00). Renewal fees for accreditations within one year of the expiration date are one-half of the initial fees. Renewals for accreditations expired over one year require the initial fee. There is a \$10.00 duplication charge to replace a lost card. Please also note that the expiration date on your license is determined by the expiration date on the training certificate submitted with your application.

When submitting application packets, please note the following:

- do not staple any of the application materials;
- make sure to fill out the application completely, including your signature; and
- include current proof of training for the discipline(s) for which you are applying

If you have any questions regarding this matter, please call our office at (502) 782-6717.

Sincerely,

*Emma Moreo*

Emma Moreo  
Field Support Section  
Field Operations Branch

Enclosure