



3516 Greensboro Avenue
Tuscaloosa, AL 35401
205.345.0816
www.TTLUSA.com

April 14, 2020

Transmitted Via: Email (rbarton@tuscaloosa.com)

Mr. Russ Barton, PE
Director of Logistics and Asset Management
Infrastructure and Public Services
City of Tuscaloosa
2201 University Blvd.
Tuscaloosa, AL 35401

**Re: *Asbestos Bulk and Lead Based Paint Sampling and Testing
Exterior & Interior Window Samples
Old Tuscaloosa City Hall Building
2201 University Boulevard
Tuscaloosa, Alabama
TTL Project No.: 000190101007.00***

Dear Mr. Barton:

Transmitted with this letter are results of testing for asbestos bulk (22 samples) and Lead-Based Paint (LBP, 3 samples) for the above-referenced project (see Attachment). Asbestos bulk and LBP samples were collected on April 8, 2020 from selected windows which TTL understands will be part of a renovation project at the Old Tuscaloosa City Hall Building. Samples were collected by TTL, Inc. (TTL) technician Mr. Marc McCracken and Mr. Garry Pearson of Garry Pearson, Inc. under subcontract to TTL. The technique used for identification of asbestos was Polarized Light Microscopy (PLM) coupled with dispersion staining. Lead-Based Paint samples were sent to EMSL Analytical, Inc. for analysis by Flame Atomic Absorption.

Samples of window glaze and caulking tested negative for asbestos. The samples collected from the interior window sills are not LBP by definition (0.50% by weight or 5000 ppm). However, the paint does contain lead and if part of the window renovation will involve grinding and scraping then the contractor should use Lead Work Safe Practices. Contractors with Lead Renovation, Repair and Painting Program (RRP) or LBP certifications will use Lead Work Safe Practices.

If you have any questions, call J. Mark Tanner (205) 765- 1919.

Sincerely

TTL, Inc.

J. Mark Tanner, P.G.
Sr. Principal Geologist

Kenneth M. Bailey, P.E.
Principal Engineer

Attachments: Asbestos Bulk and LBP Sample Results

cc: *Brian E. Brooker – Ellis Architects (bbrooker@ellisarchitects.com)*

Garry Pearson, Inc.

12918 Rolling Meadows Circle Northport, Alabama 35473 (205)394-0115

Asbestos Sampling Results Tuscaloosa City Hall Exterior Windows Tuscaloosa, Alabama

Sample	Location	Material Sampled	Asbestos Fibers	Components	Friable
1	Front 1 st floor 3 rd window from left	Window glazing	None		
2	Front 1 st floor 3 rd window from left	Window caulking	None		
3	Front 1 st floor 4 th window from left	Window glazing	None		
4	Front 1 st floor 4 th window from left	Window caulking	None		
5	Balcony 2 nd floor 1 st window from left	Window glazing	None		
6	Balcony 2 nd floor 1 st window from left	Window caulking	None		
7	Balcony 2 nd floor 4 th window from left	Window glazing	None		
8	Balcony 2 nd floor 4 th window from left	Window caulking	None		
9	Dormer window	Window glazing	None		
10	Dormer window	Window caulking	None		
11	S.E. window 3 rd floor	Window glazing	None		
12	S.E. window 3 rd floor	Window caulking	None		
13	S.E. window 2 nd floor	Window glazing	None		
14	S.E. window 2 nd floor	Window caulking	None		
15	S.E. window 1 st floor	Window glazing	None		
16	S.E. window 1 st floor	Window caulking	None		
17	Back window 3 rd floor	Window glazing	None		
18	Back window 3 rd floor	Window caulking	None		

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Asbestos Sampling Results
Tuscaloosa City Hall
Exterior Windows
Tuscaloosa, Alabama

[illegible]

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Lead Based Paint (LBP) Sampling Results Tuscaloosa City Hall Interior Windows Tuscaloosa, Alabama

Sample	Location	Material Sampled	LBP % by weight	LBP ppm	
PC1	3 rd floor OCA back window	Window sill	0.16	1600	
PC2	3 rd floor OCA side window	Window sill	0.094	940	
PC3	3 rd floor City Attorney office window	Window sill	0.074	740	

Definition of Lead Based Paint – 0.50% by weight or 5000 ppm

APPENDIX

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 1 LAB NO.: _____

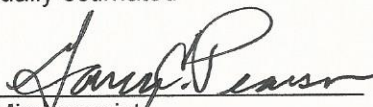
SAMPLE LOCATION: Tuscaloosa City Hall – front 1st floor 3rd window from left glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
Technique used for identification
 ** The percentage of each component is visually estimated


Microscopist

Garry Pearson, Inc.
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Phone (205) 394-0115

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 2 LAB NO.: _____

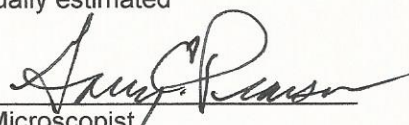
SAMPLE LOCATION: Tuscaloosa City Hall – front 1st floor 4th window from left caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 3 LAB NO.: _____

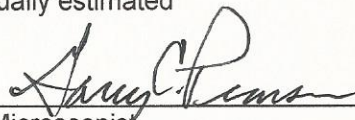
SAMPLE LOCATION: Tuscaloosa City Hall – front 1st floor 4th window from left glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 4 LAB NO.: _____

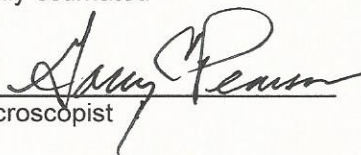
SAMPLE LOCATION: Tuscaloosa City Hall – front 1st floor 4th window from left caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 5 LAB NO.: _____

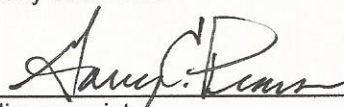
SAMPLE LOCATION: Tuscaloosa City Hall – balcony 2nd floor 1st window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 6 LAB NO.: _____

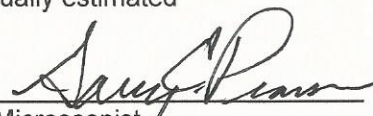
SAMPLE LOCATION: Tuscaloosa City Hall – balcony 2nd floor 1st window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 7 LAB NO.: _____


SAMPLE LOCATION: Tuscaloosa City Hall – balcony 2nd floor 4th window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 8 LAB NO.: _____

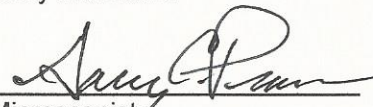
SAMPLE LOCATION: Tuscaloosa City Hall – balcony 2nd floor 4th window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 9 LAB NO.: _____

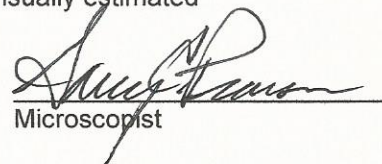
SAMPLE LOCATION: Tuscaloosa City Hall – dormer window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u> x </u>	<u> 100 </u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 10 LAB NO.: _____

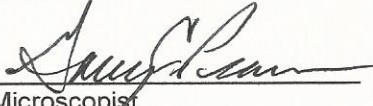
SAMPLE LOCATION: Tuscaloosa City Hall – dormer window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 11 LAB NO.: _____


SAMPLE LOCATION: Tuscaloosa City Hall – S.E. 3rd floor window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 12 LAB NO.: _____

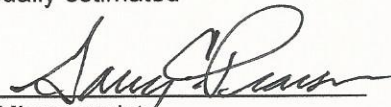
SAMPLE LOCATION: Tuscaloosa City Hall – S.E. 3rd floor window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u> x </u>	<u> 100 </u>

Comments: _____

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BULK SAMPLE ANALYSIS

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ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 13 LAB NO.: _____


SAMPLE LOCATION: Tuscaloosa City Hall – S.E.2nd floor window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 14 LAB NO.: _____

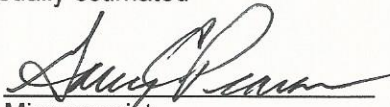
SAMPLE LOCATION: Tuscaloosa City Hall – S.E.2nd floor window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

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SAMPLE I.D. NO.: 15 LAB NO.: _____

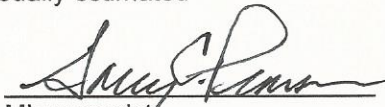
SAMPLE LOCATION: Tuscaloosa City Hall – S.E. 1st floor window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 16 LAB NO.: _____

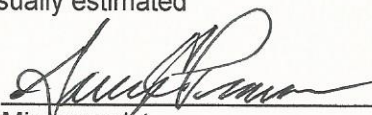
SAMPLE LOCATION: Tuscaloosa City Hall – S.E. 1st floor window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

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DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 17 LAB NO.: _____

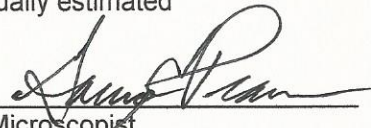
SAMPLE LOCATION: Tuscaloosa City Hall – back window 3rd floor 3rd glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
Technique used for identification
 ** The percentage of each component is visually estimated


Microscopist

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 18 LAB NO.: _____


SAMPLE LOCATION: Tuscaloosa City Hall – back 3rd floor caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
 ** Technique used for identification
 The percentage of each component is visually estimated



Microscopist

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 19 LAB NO.: _____

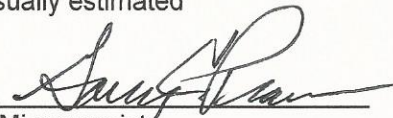
SAMPLE LOCATION: Tuscaloosa City Hall – back 2nd floor window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
 ** Technique used for identification
 The percentage of each component is visually estimated


Microscopist

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.
ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401
DATE OF ANALYSIS: 04-08-20
SAMPLED BY: GCP SAMPLE DATE: 04-09-20
SAMPLE I.D. NO.: 20 LAB NO.: _____
SAMPLE LOCATION: Tuscaloosa City Hall – back 2nd floor window caulking
GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u> x </u>	<u> 100 </u>

Comments: _____

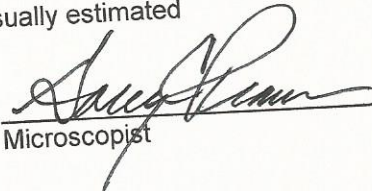
Notes:

*

Polarized Light Microscopy coupled with dispersion straining is the
Technique used for identification

**

The percentage of each component is visually estimated


Microscopist

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 21 LAB NO.: _____

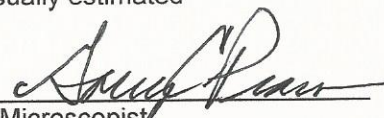
SAMPLE LOCATION: Tuscaloosa City Hall – back 1st floor window glazing

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: calcite material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
 ** Technique used for identification
 The percentage of each component is visually estimated


Microscopist

Garry Pearson, Inc.
12918 Rolling Meadows Circle * Northport, Alabama, 35473
Phone (205) 394-0115

BULK SAMPLE ANALYSIS

CLIENT: TTL, Inc.

ADDRESS: 3516 Greensboro Avenue, Tuscaloosa, Alabama 35401

DATE OF ANALYSIS: 04-08-20

SAMPLED BY: GCP SAMPLE DATE: 04-09-20

SAMPLE I.D. NO.: 22 LAB NO.: _____

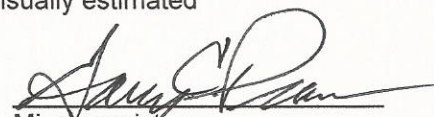
SAMPLE LOCATION: Tuscaloosa City Hall – back 1st floor window caulking

GROSS SAMPLE DESCRIPTION: granular material

	MATERIALS PRESENT*	ESTIMATED PERCENT IN SAMPLE**
Asbestos:		
Chrysotile	_____	_____
Amosite	_____	_____
Crocidolite	_____	_____
Anthrophyllite	_____	_____
Tremolite	_____	_____
Glass Fibers:	_____	_____
Mineral Wool:	_____	_____
Cellulose/Paper or Wood Fibers:	_____	_____
Others: latex material	<u>x</u>	<u>100</u>

Comments: _____

Notes: * Polarized Light Microscopy coupled with dispersion straining is the
Technique used for identification
 ** The percentage of each component is visually estimated


Microscopist

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

PHONE:

FAX:

Company: <u>GARRY PEARSON INC</u>		EMSL-Bill to: <input type="checkbox"/> Different <input type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: <u>12918 Rolling Meadows Circle</u>		Third Party Billing requires written authorization from third party	
City: <u>Northport</u>	State/Province: <u>AL</u>	Zip/Postal Code: <u>35473</u>	Country:
Report To (Name): <u>GARRY C. PEARSON</u>		Telephone #: <u>205-394-0115</u>	
Email Address: <u>garrycpearson@gmail.com</u>		Fax #:	Purchase Order:
Project Name/Number: <u>Tuscaloosa City Hall</u>		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken:		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input checked="" type="checkbox"/> 48 Hour
<input type="checkbox"/> 72 Hour	<input type="checkbox"/> 96 Hour	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Week
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide			
Matrix	Method	Instrument	Reporting Limit
Chips <input checked="" type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input checked="" type="checkbox"/> ppm	SW846-7000B	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter
Wipe* ASTM <input type="checkbox"/> non ASTM <input type="checkbox"/> *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	1.0 µg/wipe
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)
Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)
Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/>	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter
Other:			
Name of Sampler: <u>GARRY C. PEARSON</u>		Signature of Sampler: <u>Garry C. Pearson</u>	
Sample #	Location	Volume/Area	Date/Time Sampled
PC-1	Interior Window 3 rd Floor OCA		
PC-2	" " " " OCA		
PC-3	" " " " City Attorney		
Client Sample #'s: <u>PC1-PC3</u>		Total # of Samples: <u>3</u>	
Relinquished (Client): <u>[Signature]</u>	Date: <u>4-8-20</u>	Time: <u>12:00N</u>	
Received (Lab): <u>[Signature]</u>	Date: <u>4/9/20</u>	Time: <u>12:30</u>	
Comments:			

**EMSL Analytical, Inc.**

706 Galin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 022002041

CustomerID: ADVA77

CustomerPO:

ProjectID:

Attn: **Garry Pearson**
Garry Pearson Inc
12918 Rolling Meadows Circle
Northport, AL 35473

Phone: (205) 394-0115
Fax:
Received: 04/09/20 12:30 PM
Collected: 4/8/2020

Project: **Tuscaloosa City Hall****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

Lab ID:	Analyzed	Weight	Collected	Reporting Detection Limit	Lead Concentration	
022002041-0001	4/10/2020	.3205 g	4/8/2020	80 ppm	1600 ppm	
Client Sample PC-1		Site: Interior Window 3rd Floor OCA				
022002041-0002	4/10/2020	.251 g	4/8/2020	80 ppm	940 ppm	
Client Sample PC-2		Site: Interior Window 3rd Floor OCA				
022002041-0003	4/10/2020	.3369 g	4/8/2020	80 ppm	740 ppm	
Client Sample PC-3		Site: Interior Window 3rd Floor City Attorney				

Guidelines for Federal USEPA/HUD Lead in Paint Chips=5000 ppm or =1.0 mg/cm² is the EPA definition of a lead-based paint.

Below Method Reporting Limit (RL) Above RL but below EPA definition of a lead-based paint Above EPA definition of a lead-based paint

These guidance limits are typically used in most scenarios. More stringent local or project specific guidelines may apply.

Please contact the laboratory for statement of uncertainty data for the utility of properly evaluating these results against any regulatory standards or guidelines. No responsibility or liability is assumed for the manner in which the results are used or interpreted.

James Cole, Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the results, it will be noted on the report. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC EMSL Lab ID 102564 is accredited by the AIHA Laboratory Accreditation Program (AIHA-LAP), LLC in the Environmental Lead accreditation program for Lead in Paint Chips.

Initial report from 04/13/2020 08:35:01

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

Phone/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 022002041

CustomerID: ADVA77

CustomerPO:

ProjectID:

Attn: **Garry Pearson**
Garry Pearson Inc
12918 Rolling Meadows Circle
Northport, AL 35473

Phone: (205) 394-0115
Fax:
Received: 04/09/20 12:30 PM
Collected: 4/8/2020

Project: **Tuscaloosa City Hall****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
PC-1	022002041-0001	4/8/2020	4/10/2020	.3205 g	0.16 % wt
Site: Interior Window 3rd Floor OCA					
PC-2	022002041-0002	4/8/2020	4/10/2020	.251 g	0.094 % wt
Site: Interior Window 3rd Floor OCA					
PC-3	022002041-0003	4/8/2020	4/10/2020	.3369 g	0.074 % wt
Site: Interior Window 3rd Floor City Attorney					

James Cole, Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the results, it will be noted on the report. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC EMSL Lab ID 102564 is accredited by the AIHA Laboratory Accreditation Program (AIHA-LAP), LLC in the Environmental Lead accreditation program for Lead in Paint Chips.

Initial report from 04/13/2020 08:34:57