# MISSISSIPPI ASBESTOS DEMOLITION/RENOVATION NOTIFICATION FORM

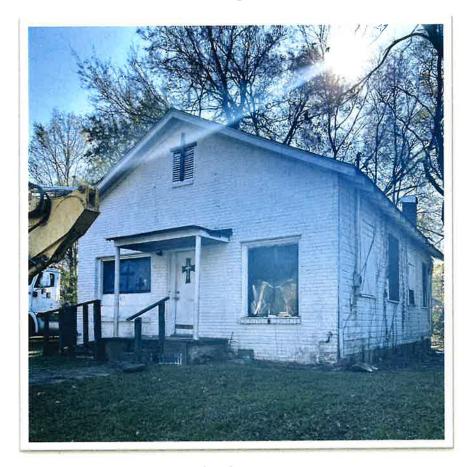
Mail notification to: MDEQ Asbestos and Lead Branch, 515 E. Amite Street, Jackson, MS 39201

MDEQ Use Only: ⊠Email □Mail □Hand Delivery	Postmark (mai 12/24/202		Date Red	ceived 26/2024	Al Number
I. Type of Notification (O=Original R=Revised					
II. TYPE OF OPERATION (D=Demo O= Order			ovation): I	D	
III. FACILITY DESCRIPTION (Include building r	name, number ar	nd floor or room numb	er):		
Bldg_Name: Vacant House					
Address: 506 Barnes Street					
<sub>City</sub> . Tupelo		State: MS		<sub>Zip</sub> . 38801	
Site Location: Exterior Siding				Tel: 662-321-917	3
Building Size: Appx 1,000 Sq Ft		# of Floors: 1		Age in Years: Appx	50+
Present Use: Vacant		Prior Use: Renta	Home		
IV. FACILITY INFORMATION (Identify owner, a	sbestos removal	contractor, and other	operator)		
OWNER NAME: Neighborhood Developn	nent Corporat	ion			
Address: P.O. Box 782					
City: Tupelo		State: MS		Zip: 38802	
Contact: Duke Loden				Tel: 662-321 <b>-</b> 91	73
ASBESTOS REMOVAL CONTRACTOR: Ed (	Clay - EAC Er	nvironmental			
Address: 4546 Cal-Steens Road					
<sub>City:</sub> Caledonia		State: MS		Zip: 39740	
Contact: Edward Clay				Tel: 662-386-63	86
Certification Number: ABC-00005192			Expiratio	n Date: 11-04-25	
OTHER OPERATOR: Hodges Construc	ction				
Address: 1281 CR 811	· ·				
City: Saltillo		State: MS		Zip: 38866	
Contact: Chad Rankin				Tel 662-871-00	82
V. WAS SITE INSPECTED TO DETERMINE PI	RESENCE OF A	SBESTOS? (Yes/No	: YES		
WAS ASBESTOS PRESENT? (Yes/No): Yes			Inspec	tion Date: 12-02-24	
Inspector: Edward Clay	Certification	NumberABI-00006	706	Expiration D	Pate: 05-10-25
VI. SUSPECT MATERIALS SAMPLED AND P	ROCEDURES U	SED TO DETECT TH	E PRESEI	NCE OF ASBESTOS	1
Exterior Siding, Roof shingle, Flooring,					
Exterior Siding, (100) Shirigle, Flooring,	Diywall alla s	,a. aoi 19,7 11 lai 9201	,1		
VII. QUANTITY OF RACM TO BE REMOVED	D:				
Pipes (LN FT):	Surface Area (S	Q FT): Appx 1,000 -ti	ansite sidi	ing Volume	of Facility Components (CU FT):
VIII. QUANTITY OF NONFRIABLE ASBESTOS			1	a) (T2	
Category I:		Cat	egory II:		
IX. SCHEDULED DATES ASBESTOS REMOV	AL (MM/DD/YY)	Start: 01-10-25		Complete	01-10-25
X. SCHEDULED DATES DEMO/RENOVATION					e: 01-15-25

XI. DESCRIPTION OF PLANNED DEMOLITION OR RENOVAT	FION WORK, /	AND METHOD(S	TO BE USED:
Exterior Transite Siding will be removed and th	ne building	j demolished	d with heavy equipment
XII. DESCRIPTION OF WORK PRACTICES AND ENGINEER DEMOLITION OR RENOVATION SITE:	ING CONTRO	LS TO BE USE	D TO PREVENT EMISSIONS OF ASBESTOS AT THE
Wet Method Removal, Double Bag ACM in 6	mil poly		
XIII. WASTE TRANSPORTER #1			
Name: EAC Environmental			
Address: 4564 Cal Steens RD			1
City: Caledonia	State: MS		z <sub>ip</sub> : 39740
Contact Person: Ed Clay			Tel: 662-386-6386
WASTE TRANSPORTER #2			
Name: Waste Pro			
Address: 1600 S 12th ST			
City: Columbus	State: MS		Zip: 39701
Contact Person: RuthAnn Farris			Tel:
XIV. WASTE DISPOSAL SITE:			
Name: RoBo Landfill			
Address: 6447 Wahalak Road			
<sub>City:</sub> Scooba	State: MS		zip: 39358
Contact Person: Roland Edmonds			Tel: 662-798-4795
XV. IF DEMOLITION ORDERED BY A GOVERNMENT AGENC	ΣΥ, PLEASE ΙΓ	DENTIFY THE A	GENCY BELOW:
Name:		Title:	
Authority:			
Date of Order (MM/DD/YY):		Date Ordered to	o Begin (MM/DD/YY):
XVI. FOR EMERGENCY RENOVATIONS:			<u> </u>
Date and Hour of Emergency (MM/DD/YY):			
Description of the sudden unexpected event: Cease Removal, contain material, notify owner and MDEC	Q		
Explanation of how the event caused unsafe conditions or would		ent damage or a	a uprossonable tropping burden
TO THE POST OF THE	State of the	an damage of C.	i ulleasonable ililandai buluen.
XVII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN NONFRIABLE ASTESTOS MATERIAL BECOMES CRUMBLE	N THE EVENT ED, PULVERIZ	THAT UNEXPE	ECTED ASBESTOS IS FOUND OR PREVIOUSLY EED TO POWDER:
Contain material, notify owner, and MDEQ			(4:
XVIII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PRONSITE DURING THE DEMOLITION OR RENOVATION, AND THIS PERSON WILL BE AVAILABLE FOR INSPECTION DUR	EVIDENCE TH	HAT THE REOU	IIRED TRAINING HAS BEEN ACCOMPLICHED BY
Barbara B Vanlandingham	SBV	alulia	12-24-24
Type or Print Name	(Signature of Ov	wner/Operator)	(Date)
XIX. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT Parkers P. Venlandingham	TOAL		
Barbara B Vanlandingham	BRAC	ship	12-24-24
Type or Print Name	(Signature of O	wner/Operator)	(Date)

# **EAC** Environmental

**Asbestos Containing Material Survey** 



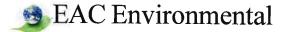
(415)

Three Buildings Located

At 415, 506 & 515 Barnes Tupelo, MS

December 10, 2024

Edward A. Clay 662-386-6386 BB Vanlandingham 662-549-1777 EACEnvironmental@gmail.com



December 10, 2024

Dear Ms. Ford,

EAC Environmental is pleased to submit the Asbestos Containing Building Material Surveys conducted on behalf of three vacant buildings located at 415, 506, and 515, Tupelo, Mississippi.

Suspect asbestos-containing material samples were taken Thursday December 2, 2024, and delivered by FedEx Priority Overnight to CA Labs, Baton Rouge, Louisiana. These samples were analyzed using Polarized Light Microscopy (PLM).

415 Barnes - No Asbestos Detected

506 Barnes - Exterior Shingles Contain 20% Chrysotile Asbestos

515 Barnes - No Asbestos Detected

The exterior transite siding on 506 was found to contain 20% Chrysotile Asbestos. In accordance with State Regulations, this material will require removal by an MDEQ Licensed Asbestos Contractor and properly disposed of in a National Emission Standards for Hazardous Air Pollutants (NESHAP) Approved Landfill.

Should you have any questions concerning this report or if we may be of any further assistance, please do not hesitate to contact us.

We appreciate the opportunity to be of service to you on this project.

Respectfully Submitted,

Barbara B. Vanlandingham

ASBESTOS
ANALYSIS
&
CHAINS
of
CUSTODY

**CALabs Dedicated to** Quality

CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111 LELAP #03069** 

## Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

EAC Environmental

4546 Calsteens Rd Caledonia, MS 39740 Attn: Edward Clay

Reference #:

Customer Project: 415 Barnes City of Tupelo Lynda Ford

CBR24128943

12/3/2024

#### Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

#### Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines .Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

Dedicated to Quality

#### CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

### Overview of Project Sample Material Containing Asbestos

Customer Project: 415 Barnes City of Tupelo Lynda Ford CA Labs Project #: CBR24128943

Sample # Layer # Analysts Physical Description of Subsample Calibrated visual estimate percent CA Labs Project #: CBR24128943

List of Affected Building Material Types

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum bi - binder

bi - binder or - organic ma - matrix mi - mica ve - vermiculite

ot - other

pe - perlite qu - quartz fg - fiberglass mw - mineral wool wo - wollastinite

ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)

pa - palygorskite (clay)

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

## Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Edward Clay **Customer Project:** CA Labs Project #: EAC Environmental 415 Barnes City of Tupelo CBR24128943 4546 Calsteens Rd Lynda Ford Caledonia, MS 39740 Date: 12/3/2024 Turnaround Time: 24 hr Samples Received: 12/3/2024 Phone # 662-386-6386 **Date Of Sampling:** Fax# 662-356-0025 Purchase Order #: Sample # Com Analysts Physical Description of Layer Homo-Asbestos type / Non-asbestos fiber Non-fibrous type Subsample geneo calibrated visual type / percent / percent us estimate percent (Y/N) Black Shingle with Gray Gravel None Detected 15% fg 85% qu, bi Blue Linoleum None Detected 20% ce 80% qu, ma Blue Self-Adhesive Floor Tile None Detected 100% qu, ma White Surfacing None Detected 100% qu, bi

> Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method

ca - carbonate

Tan Ceiling Tile

mi - mica

fg - fiberglass

ce - cellulose

gypsum - gypsum bi - binder

ve - vermiculite

mw - mineral wool

br - brucite

None Detected

or - organic

ot-other

wo - wollastinite

ka - kaolin (cłay)

ma - matrix

pe - perlite qu - quartz ta - talc sy - synthetic pa - palygorskite (clay)

Approved Signatories:

40% qu, pe

Rym machanil

Ryan Macdonald Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

chow with

10% fg

50% ce

<sup>1.</sup> Fire Damage significant fiber damage - reported percentages reflect unaltered fibers

Fire Damage no significant fiber damages effecting fibrous percentages
 Actinolite in association with Vermiculite

<sup>4.</sup> Layer not analyzed - attached to previous positive layer and contamination is suspected

<sup>6.</sup> Anthophyllite in association with Fibrous Talc

Contamination suspected from other building materials
 Favorable scenario for water separation on vermiculite for possible analysis by another method

<sup>9. &</sup>lt; 1% Result point counted positive



CALlabs, LLC 12232 Industriplex Suite 32 Baton Rooge, LA 70809

Phone: 225-751-5632 Fax: 225-751-5684

### Chain of Custody

Client Name: EAC Environmental

Client Address: 4546 Cal-Steens Road

Caledonia, MS 39740

Phone number: 662-386-6386

Fax number: <u>662-356-0025</u>

Contact: Edward Clay

CA tabsjob#

Billing Address (if different): N/A

Send Reports to: eacenvironmental@email.com

Project Name: 415 Bannes C.M.

Lynda Foxed Reports Results

VERBAL WA: EMAIL H FAX

	CONTRACTOR OF THE PARTY OF THE
·   Total #Samples to be Analyzed:	Material Matrix:
4	Air / BEE/ Water
	· Total # Samples to be Analyzed:

nvallability of all rush and for after hours samples.

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TEM	TATime	PEM	TA Time	Optical / INQ	14 Mile
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lead:	Grand and The Company				72	
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TA Time:	Sácur (	1 day	2 days	3 days	ا حواصه ا	

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Custody Information:		
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Samples relinquished:	CAM	1716

re/Date/Time

Samples received:

Samples selingrésied:

Samples received:

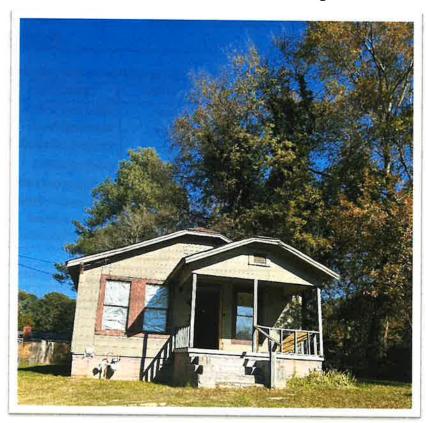
Signature / Date / Time

3:20

12/3/24

# 506 Barnes

20% Chrysotile Asbestos Siding



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NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

### Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Reference #:

EAC Environmental

4546 Calsteens Rd Caledonia, MS 39740 Attn: Edward Clay

Customer Project: 506 Barnes City of Tupelo Lynda Ford

CBR24128942

12/4/2024 Date:

**Analysis and Method** 

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

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#### CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

### Overview of Project Sample Material Containing Asbestos

**Customer Project:** 506 Barnes City of Tupelo Lynda Ford CA Labs Project #: CBR24128942 Layer Analysts Physical Description of Sample # Asbestos type / Subsample List of Affected Building calibrated visual estimate percent Material Types Gray Transite Gray Transite 20% Chrysotile

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate gypsum - gypsum

pe - perlite

qu - quartz

fg - fiberglass

mw - mineral wool

wo - wollastinite

ta - talc

sy - synthetic ce - cellulose

mi - mica ve - vermiculite ot - other

bi - binder

or - organic

ma - matrix

br - brucite ka - kaolin (clay)

pa - palygorskite (clay)

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NVLAP #200772-0 TDSHS #300370 **CDPHE #AL-18111** LELAP #03069

### Polarized Light Asbestiform Materials Characterization

**Customer Info:** 

Attn: Edward Clay

**Customer Project:** 

CA Labs Project #:

EAC Environmental

4546 Calsteens Rd

506 Barnes City of Tupelo

CBR24128942

Lynda Ford

Date:

12/4/2024

Caledonia, MS 39740

Turnaround Time: 24 hr

Samples Received: Date Of Sampling:

12/3/2024

Phone #

662-386-6386

Purchase Order #:

662-356-0025

Homo-Asbestos type /

Non-asbestos fiber

Non-fibrous type

Fax# Sample #

ment

Layer Com

3-1

Compound

Analysts Physical Description of Subsample

calibrated visual geneo estimate percent US

/ percent type / percent

(Y/N)

85% gu, bi 15% fg None Detected Black Shingle with Tan Gravel 20% Chrysotile 80% qu, ma Gray Transite 2-1 100% qu, mi, bi, White Surfaced White None Detected

90% gu, gy 10% ce None Detected White Drywall with Paper 3-2

Ν

100% qu, mi, bi, Tan Surfaced White Compound None Detected ca

White Drywall with Paper None Detected 10% ce 90% qu, gy 4-2

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)

ca - carbonate

Tan Linoleum

identification of asbestos types by dispersion attaining / becke line method. mi - mica

Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for fg - fiberglass

ta - talc

sy - synthetic

ce - cellulose

gypsum - gypsum bi - binder or - organic

ma - matrix

ve - vermiculite ot -other pe - perlite

gu - quartz

mw - mineral wool wo - wollastinite

br - brucite ka - kaolin (clay)

pa - palygorskite (clay)

20% ce

Approved Signatories:

80% qu, ma

Ryan moradonil

Ryan Macdonald Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Chris his

None Detected

<sup>1.</sup> Fire Damage significant liber damage - reported percentages reflect unaltered fibers

Fire Damage no significant liber damages effecting fibrous percentages
 Actinoite in association with Vermiculite

<sup>4.</sup> Layer not analyzed - attached to previous positive layer and contamination is suspected

<sup>5.</sup> Not enough sample to analyze

<sup>6.</sup> Anthophyllite in association with Fibrous Talc

Contamination suspected from other building materials
 Favorable scenario for water separation on vermiculite for possible analysis by another method

<sup>9 &</sup>lt; 1% Result point counted positive 10. TEM analysis suggested



6

8

10

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#### CA. Labs, ILC 17232 Industriplex Suite 32 Saum Ronge, LA 70809

Phone: 225-751-5632 Fax: 225-751-5634 Mobile: 225-993-3471

### Chain of Custody

Client Name	EAC Environme	ental	CA	tabsjob#	DR 241289	142
Client Addre	Caledonia; IV		Bij	ling Address	if different): N/A	
	per: <u>662-386-638</u>			The second of th	eacenvironmental@	A CONTRACTOR OF THE PARTY OF TH
Contact: Edw				orts Results	LYNDA FORD	VERBAL
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AHERA	4 hour	Improved	i ·	4hour	tape/bulk/swab	Amm
EPA Level II D	rinking Shour	loteria	,	Shour	Cyclex-d cassettes Air	- Shour
Nater Wipe	. 26 hour	1	5	16 hour	o-cell cassettes	16 hour
Micro-vac -	24 hour	AHERA		24 hour	Anderson cultures	24 hour
HOSH 7402	2 days	1.	3	2 days	Bulk/swaio cultures	2 days
ාිස්හිමේ Bulk	3 days	Point Com	at- 3	days	Bacteria cultures	3 days
	5 days	INESHAPS	) =	ਹੋੜ੍ਹਾਂਡ	PORE: NIOSH 7480	5-20 đays
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31 3	9	(b)	2:2-
Custody Information:	•	1 1 2	3.20
Samples relinquished:	Et Cla . 12-02-24	Smile Carelia B	naie 12/3/24
*	Signature   Date   Time	Signature / Date	Tene
Samples relinguished:	BB Vale 2.1.	Samples received:	
	Signature / Date / Time	Signature / Date	/ Time

## 515 Barnes



Dedicated to Quality CA Labs, L.L.C.

12232 Industriplex, Suite 32 Baton Rouge, LA 70809 Phone 225-751-5632 Fax 225-751-5634



NVLAP #200772-0 TDSHS #300370 CDPHE #AL-18111 LELAP #03069

### Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

EAC Environmental

4546 Calsteens Rd Caledonia, MS 39740 Attn: Edward Clay

Customer Project: 515 Barnes City of Tupelo Lynda Ford

Reference #: CBR24128941

Date:

12/4/2024

#### **Analysis and Method**

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

#### Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.

#### Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines .Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

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## Overview of Project Sample Material Containing Asbestos

**Customer Project:** 

515 Barnes City of Tupelo Lynda Ford

CA Labs Project #: CBR24128941

Sample #

Layer Analysts Physical Description of

Asbestos type / calibrated visual

List of Affected Building Material Types

Subsample estimate percent

No Asbestos Detected.

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate

gypsum - gypsum bi - binder

or - organic ma - matrix mi - mica ve - vermiculite

ot - other

pe - perlite qu - quartz

fg - fiberglass mw - mineral wool wo - wollastinite

ta - talc sy - synthetic ce - celiulose br - brucite ka - kaolin (clay) pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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## Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Edward Clay **EAC Environmental** 4546 Calsteens Rd Caledonia, MS 39740 Phone # 662-386-6386 Fax# 662-356-0025

**Customer Project:** 

515 Barnes City of Tupelo Lynda Ford

CA Labs Project #: CBR24128941

12/4/2024

Turnaround Time: 24 hr

Samples Received: Date Of Sampling:

Purchase Order #:

Date:

12/3/2024

Sample # Com Layer

ment

Analysts Physical Description of Subsample

Homo-Asbestos type / geneo calibrated visual us

estimate percent

Non-asbestos fiber type / percent

Non-fibrous type / percent

Black Shingle with Black Gravel Ν None Detected 15% fg 85% qu, bi Tan Surfacing None Detected 100% qu, bi 2-2 White Drywall with Paper None Detected 10% ce 90% qu, gy 100% qu, bi, mi, Tan Surfaced White Compound None Detected ca White Drywall with Paper None Detected 10% ce 90% qu, gy Tan Linoleum None Detected 20% ce 80% qu, ma 5-1 Tan Linoleum None Detected 20% ce 80% qu, ma

(Y/N)

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116) Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method-

ca - carbonate gypsum - gypsum bi - binder

or - organic

ma - matrix

mi - mica ve - vermiculite

fo - fiberolass mw - mineral wool

ce - cellulose br - brucite

ot -other pe - perlite

qu - quartz

wo - wollastinite sy - synthetic

ka - kaolin (clay) pa - palygorskite (clay)

Approved Signatories:

Corinne Barr Analyst

Senior Analyst Alicia Stretz

Laboratory Director Chris Williams

Fire Damage significant fiber damage - reported percentages reflect unallered fibers
 Fire Damage no significant fiber damages effecting fibrous percentages
 Actinofite in association with Vermiculite

Layer not analyzed - attached to previous positive layer and contamination is suspected
 Not enough sample to analyze

Anthophyllite in association with Fibrous Tato
 Contamination suspected from other building materials

Favorable scenario for water separation on vermiculite for possible analysis by another method

 < 1% Result point counted positive</li>
 < TEM analysis suggested</li>



CA Lains, LLC 17232 Industriplex Suite 32 Barron Rouge, LA 70809 Phone: 225-751-5632 Fest: 225-751-5634 Mobile: 225-993-3471

### Chain of Custody

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Contact: Edv	vard Clay	£	• a5.1	· VIA:	EMAIL	E FAX	- PERLANA
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Micro-vac NOSH 7462 Tradfield Bul Id:	26 hour 24 hour 2 days 8 3 days 5 days	Point Count (NESHAPS)	- *	A hour days days days	Ander Bulk/s Bacter PCIS:	son cultures te cultures te cultures NIOSH 7/80	2 days 3 days 5-20 days
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Samples retinantished:

Signature / Date / Time

# State of Mississippi

Department of Environmental Quality
Office of Pollution Control

# Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act,
Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

# Edward A Clay

Having submitted acceptable evidence of qualifications and training and other appropriate information, is hereby granted this

Asbestos Inspector

Certification

Chief, Asbestos & Lead Branch

Dres Mallen

Certificate No.: ABI-00006706 Expiration Date: May 10th, 2025 Training Expires on May 10th, 2025

# State of Mississippi

Department of Environmental Quality

Office of Pollution Control

# Certificate of Licensure

In accordance with the Asbestos Abatement Accreditation and Certification Act.

Enacted as 1989 Mississippi Law, Chapter 505

Be it known that

# Barbara B Vanlandingham

Having submitted acceptable evidence of qualifications and training and other appropriate information, is hereby granted this

Asbestos Inspector

Certification

Chief, Asbestos & Lead Branch

Ine Mallen

Certificate No.: ABI-00007369 Expiration Date: May 10th, 2025 Training Expires on May 10th, 2025



Thank You for entrusting us with your environmental needs.