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 (mail only) 12/24/2024	Date Received 12/26/2024	AI Number

I. Type of Notification (O=Original R=Revised C=Canceled A= Annual): ~~R~~ O

II. TYPE OF OPERATION (D=Demo O= Ordered Demo R=Renovation E=Emer. Renovation): D

III. FACILITY DESCRIPTION (Include building name, number and floor or room number):

Bldg. Name: Vacant House

Address: 506 Barnes Street

City: Tupelo	State: MS	Zip: 38801
Site Location: Exterior Siding		Tel: 662-321-9173
Building Size: Appx 1,000 Sq Ft	# of Floors: 1	Age in Years: Appx 50+
Present Use: Vacant	Prior Use: Rental Home	

IV. FACILITY INFORMATION (Identify owner, asbestos removal contractor, and other operator)

OWNER NAME: Neighborhood Development Corporation

Address: P.O. Box 782

City: Tupelo	State: MS	Zip: 38802
Contact: Duke Loden		Tel: 662-321-9173

ASBESTOS REMOVAL CONTRACTOR: Ed Clay - EAC Environmental

Address: 4546 Cal-Steens Road

City: Caledonia	State: MS	Zip: 39740
Contact: Edward Clay		Tel: 662-386-6386
Certification Number: ABC-00005192		Expiration Date: 11-04-25

OTHER OPERATOR: Hodges Construction

Address: 1281 CR 811

City: Saltillo	State: MS	Zip: 38866
Contact: Chad Rankin		Tel 662-871-0082

V. WAS SITE INSPECTED TO DETERMINE PRESENCE OF ASBESTOS? (Yes/No): YES

WAS ASBESTOS PRESENT? (Yes/No): Yes		Inspection Date: 12-02-24
Inspector: Edward Clay	Certification Number ABI-00006706	Expiration Date: 05-10-25

VI. SUSPECT MATERIALS SAMPLED AND PROCEDURES USED TO DETECT THE PRESENCE OF ASBESTOS :

Exterior Siding,Roof shingle, Flooring, Drywall and surfacing,Analyzed by PLM

VII. QUANTITY OF RACM TO BE REMOVED:

Pipes (LN FT):	Surface Area (SQ FT): Appx 1,000 -transite siding	Volume of Facility Components (CU FT):

VIII. QUANTITY OF NONFRIABLE ASBESTOS NOT REMOVED:

Category I:	Category II:

IX. SCHEDULED DATES ASBESTOS REMOVAL (MM/DD/YY) Start: 01-10-25 Complete: 01-10-25

X. SCHEDULED DATES DEMO/RENOVATION (MM/DD/YY) Start: 01-13-25 Complete: 01-15-25

XI. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED:

Exterior Transite Siding will be removed and the building demolished with heavy equipment

XII. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION OR RENOVATION SITE:

Wet Method Removal, Double Bag ACM in 6 mil poly

XIII. WASTE TRANSPORTER #1

Name: EAC Environmental

Address: 4564 Cal Steens RD

City: Caledonia | State: MS | Zip: 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

City: Scooba | State: MS | Zip: 39358

Contact Person: Roland Edmonds | Tel: 662-798-4795

XV. IF DEMOLITION ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW:

Name: | Title:

Authority:

Date of Order (MM/DD/YY): | Date Ordered to Begin (MM/DD/YY):

XVI. FOR EMERGENCY RENOVATIONS:

Date and Hour of Emergency (MM/DD/YY):

Description of the sudden unexpected event:
Cease Removal, contain material, notify owner and MDEQ

Explanation of how the event caused unsafe conditions or would cause equipment damage or an unreasonable financial burden:

XVII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASTESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER:

Contain material, notify owner, and MDEQ

XVIII. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THIS REGULATION (40 CFR PART 61, SUBPART M) WILL BE ONSITE DURING THE DEMOLITION OR RENOVATION, AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

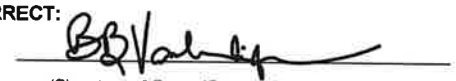
Barbara B Vanlandingham — Type or Print Name

 — (Signature of Owner/Operator)

12-24-24 — (Date)

XIX. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT:

Barbara B Vanlandingham — Type or Print Name

 — (Signature of Owner/Operator)

12-24-24 — (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

EAC Environmental

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,

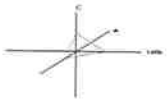
Barbara B. Vanlandingham

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

ASBESTOS ANALYSIS & CHAINS of CUSTODY

CA Labs
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: 415 Barnes City of Tupelo Lynda Ford
Reference #: CBR24128943 Date: 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.

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Dedicated to Quality

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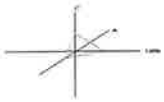

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

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	Asbestos type / calibrated visual estimate percent	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
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
EAC Environmental
4546 Calsteens Rd
Caledonia, MS 39740

Phone # 662-386-6386
Fax # 662-356-0025

Customer Project:
415 Barnes City of Tupelo
Lynda Ford

Turnaround Time: 24 hr

CA Labs Project #:
CBR24128943

Date: 12/3/2024
Samples Received: 12/3/2024
Date Of Sampling:
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		*1-1*	*Black Shingle with Gray Gravel*	*N*	***None Detected***	15% fg	85% qu, bi
2		*2-1*	*Blue Linoleum*	*Y*	***None Detected***	20% ce	80% qu, ma
3		*3-1*	*Blue Self-Adhesive Floor Tile*	*Y*	***None Detected***		100% qu, ma
4		*4-1*	*White Surfacing*	*Y*	***None Detected***		100% qu, bi
		4-2	*Tan Ceiling Tile*	*Y*	***None Detected***	10% fg 50% ce	40% qu, pe

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	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Ryan Macdonald
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Industriplex Suite 32
Baton Rouge, LA 70809

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

Chain of Custody

Client Name: EAC Environmental
Client Address: 4546 Cal-Steens Road
Caledonia, MS 39740
Phone number: 662-386-6386
Fax number: 662-256-0025
Contact: Edward Clay

CA Labs job #: CBR 24128943
Billing Address (if different): N/A

Send Reports to: eacenvironmental@gmail.com
Project Name: 415 Barnes City of Tupelo
Reports Results: Lynda Foxo
VIA: EMAIL X FAX _____ VERBAL _____

Total # Samples Submitted:	Total # Samples to be Analyzed:	Material Matrix:
4	4	Air / ~~Bulk~~ / Water

Asbestos: *please call ahead for availability of all rush and/or after hours samples.*

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
Circle analysis and TA time		*Circle analysis and TA time*		Allergen Particle:	*2 hour*
AHERA	*4 hour*	Improved	4 hour	tape/bulk/swab	4 hour
EPA Level II Drinking Water Wipe	8 hour	Interim	8 hour	Cyclex-d cassettes Air-o-cell cassettes	8 hour
Micro-vac	16 hour		16 hour	Anderson cultures	16 hour
NIOSH 7402	24 hour	AHERA	24 hour	Bulk/swab cultures	24 hour
Chatfield Bulk	2 days		2 days	Bacteria cultures	2 days
	3 days	Point Count - (NESHAPS)	3 days	PCM: NIOSH 7400	3 days
	5 days		5 days		5-10 days

Lead: *Circle analysis and TA time*

Matrix:	Paint Chips	Soil	Air	Wipes	Wastewater	TCLP
TA Time:	8 hour	1 day	2 days	3 days	5 days	6-10 days

SAMPLE #	SAMPLE LOCATION
1	Roof
2	Floor Beneath Carpet
3	Restroom Floor
4	Ceiling
5	
6	
7	
8	
9	
10	

3:20
12/3/24

Custody Information:

Samples relinquished: Ed Clay 12-02-24
Signature / Date / Time

Samples received: Carol Bracey
Signature / Date / Time

Samples relinquished: BB
Signature / Date / Time

Samples received: _____
Signature / Date / Time

506 Barnes

20% Chrysotile Asbestos Siding

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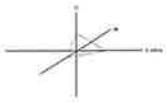

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

EAC Environmental
4546 Calsteens Rd
Caledonia, MS 39740

Attn: Edward Clay
Customer Project: 506 Barnes City of Tupelo Lynda Ford
Reference #: CBR24128942 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.

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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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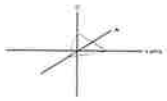

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: 506 Barnes City of Tupelo Lynda Ford **CA Labs Project #:** CBR24128942

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
2	2-1	*Gray Transite*	***20% Chrysotile***	***Gray Transite***

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 - cellulose
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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:
506 Barnes City of Tupelo
Lynda Ford

Turnaround Time: 24 hr

CA Labs Project #:
CBR24128942

Date: 12/4/2024
Samples Received: 12/3/2024
Date Of Sampling:
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		*1-1*	*Black Shingle with Tan Gravel*	*N*	***None Detected***	15% fg	85% qu, bi
2		*2-1*	*Gray Transite*	*N*	***20% Chrysotile***		80% qu, ma
3		*3-1*	*White Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		3-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
4		*4-1*	*Tan Surfaced White Compound*	*N*	***None Detected***		100% qu, mi, bi, ca
		4-2	*White Drywall with Paper*	*N*	***None Detected***	10% ce	90% qu, gy
5		*5-1*	*Tan Linoleum*	*Y*	***None Detected***	20% ce	80% qu, ma

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	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Ryan Macdonald
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant liber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant liber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CALabs

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Baton Rouge, LA 70809

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

Chain of Custody

Client Name: EAC Environmental
Client Address: 4546 Cal-Steens Road
Caledonia, MS 39740
Phone number: 662-386-6386
Fax number: 662-356-0025
Contact: Edward Clay

CA Labs job #: CBR 24128942
Billing Address (if different): N/A

Send Reports to: eacenvironmental@gmail.com
Project Name: 506 Barnes City of Tupelo
Reports Results: LYNDA FORD
VIA: EMAIL X FAX _____ VERBAL _____

Total # Samples Submitted:	Total # Samples to be Analyzed:	Material Matrix:
5	5	Air / Bulk / Water

Asbestos: *please call ahead for availability of all rush and/or after hours samples.*

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
Circle analysis and TA time		Circle analysis and TA time	2 hour	Allergen Particle:	2 hour
AHERA	4 hour	Improved	4 hour	tape/bulk/swab	4 hour
EPA Level II Drinking	8 hour	Interim	8 hour	Cyclex-d cassettes Air-	8 hour
Water Wipe	16 hour		16 hour	o-cell cassettes	16 hour
Micro-vac	24 hour	AHERA	24 hour	Anderson cultures	24 hour
NIOSH 7402	2 days		2 days	Bulk/swab cultures	2 days
Chatfield Bulk	3 days	Point Count -	3 days	Bacteria cultures	3 days
	5 days	(NESHAPS)	5 days	PCM: NIOSH 7400	5-10 days

Lead: Circle analysis and TA time

Matrix:	Paint Chips	Soil	Air	Wipes	Wastewater	TCLP
TA Time:	8 hour	1 day	2 days	3 days	5 days	6-10 days

SAMPLE #	SAMPLE LOCATION
1	Roof
2	EXT. SIDING
3	LIVING Rm CEILING
4	FRONT BEDROOM WALL
5	DINING Rm FLOOR
6	
7	
8	
9	
10	

* PLEASE Composite IF NEEDED

Custody Information:

Samples relinquished: Ed Clay, 12-02-24 — Signature / Date / Time
Samples received: Carol Brace 3:20 12/3/24 — Signature / Date / Time

Samples relinquished: BB Vanlandingham — Signature / Date / Time
Samples received: _____ — Signature / Date / Time

515 Barnes

CA Labs
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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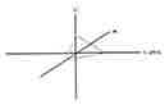

NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

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 Subsample	Asbestos type / calibrated visual estimate percent	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
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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LELAP #03069

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

Turnaround Time: 24 hr

CA Labs Project #:
CBR24128941

Date: 12/4/2024
Samples Received: 12/3/2024
Date Of Sampling:
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1	*Black Shingle with Black Gravel*	N	***None Detected***	15% fg	85% qu, bi
2		2-1	*Tan Surfacing*	Y	***None Detected***		100% qu, bi
		2-2	*White Drywall with Paper*	N	***None Detected***	10% ce	90% qu, gy
3		3-1	*Tan Surfaced White Compound*	N	***None Detected***		100% qu, bi, mi, ca
		3-2	*White Drywall with Paper*	N	***None Detected***	10% ce	90% qu, gy
4		4-1	*Tan Linoleum*	Y	***None Detected***	20% ce	80% qu, ma
5		5-1	*Tan Linoleum*	Y	***None Detected***	20% ce	80% qu, ma

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	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Corinne Barr
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CALabs

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Chain of Custody

Client Name: EAC Environmental
Client Address: 4546 Cal-Steens Road
Caledonia, MS 39740
Phone number: 662-386-6386
Fax number: 662-356-0025
Contact: Edward Clay

CA labs job #: CBR 24128941
Billing Address (if different): N/A
Send Reports to: eacenvironmental@gmail.com
Project Name: 515 Barnes City of Tupelo
Lynda Ford
Reports Results VIA: EMAIL X FAX ____ VERBAL ____

Total # Samples Submitted:	Total # Samples to be Analyzed:	Material Matrix:
5	5	Air / (Bulk) / Water

please call ahead for availability of all rush and/or after hours samples.

Asbestos:

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
Circle analysis and TA time		Circle analysis and TA time	2 hour	Allergen Particle:	2 hour
			4 hour	tape/bulk/swab	4 hour
AHERA	4 hour	Improved	8 hour	Cyclex-d cassettes Air-	8 hour
EPA Level II Drinking	8 hour	Interim	16 hour	o-cell cassettes	16 hour
Water Wipe	16 hour		(24 hour)	Anderson cultures	24 hour
Micro-vac	24 hour	AHERA	2 days	Bulk/swab cultures	2 days
NIOSH 7402	2 days		3 days	Bacteria cultures	3 days
Chatfield Bulk	3 days	Point Count –	5 days	PCM: NIOSH 7400	5-10 days
	5 days	(NESHAPS)			

Lead: Circle analysis and TA time

Matrix:	Paint Chips	Soil	Air	Wipes	Wastewater	TCLP
TA Time:	8 hour	1 day	2 days	3 days	5 days	6-10 days

SAMPLE #	SAMPLE LOCATION
1	Roof
2	Wall
3	CEILING
4	Kitchen Floor ✱ PLEASE Composite
5	BATHROOM Floor if NEEDED
6	
7	
8	
9	
10	

Custody Information:

Samples relinquished: Ed Clay 12-02-24 — Signature / Date / Time
Samples received: Carolyn Brazier 3:20 12/3/24 — Signature / Date / Time

Samples relinquished: BB [illegible] — Signature / Date / Time
Samples received: ____ — 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

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

58667 LIC20230001

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

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

58659 LIC20230001

Thank You for entrusting us with your environmental needs.