



Asbestos Building Materials Inspection Services

Client: The City of Grand Junction, 250 N. 5th Street, Grand Junction,
CO 81501

Project Site: 2844 Patterson Road, Grand Junction, CO 81506

(House, Large Metal Shop, Metal Carport and Small Metal Shop
Structures)

Inspection Date: January 22, 2024

Phase Con Project #: 24-01-22D1

2166 Peregrine Court
Grand Junction, CO 81507
970-260-3341 -- office@phasecon.com

2844 Patterson Road, Grand Junction, CO -- House (SFRD) & Outbuildings

Sampling Description

Phase Con provided asbestos building inspection services at 2844 Patterson Road in Grand Junction, Colorado on January 22, 2024. The inspection was performed by Mr. Douglas Close, a Colorado State and EPA Asbestos Building Inspector/Management Planner. This house (SFRD) and outbuildings are scheduled for demolition in the near future. Suspect materials within the scope of work were sampled and analyzed as per Colorado State Regulation #8.

A random sampling scheme was utilized in choosing sampling locations. This scheme used a grid system and randomly generated numbers. The Inspector, Mr. Douglas Close, classified the suspect materials by type (Thermal System Insulation (TSI), Surfacing Materials, and Miscellaneous Materials), and obtained the appropriate number of samples of each material based upon material type, and quantity.

Tables are provided which detail the individual samples obtained, the laboratory analysis results for these samples, the quantity and condition of Asbestos Containing Building Materials (ACBM), the locations of each homogeneous area, and other material specific information. Potential for damage to materials information is provided in the following sampling information tables.

Discussion & Recommendations

House Structure

The following materials were positive for Colorado State and EPA regulated asbestos content (>1% asbestos):

- Popcorn Type Ceiling Texture & Joint Compound in Associated Gypsum Board Systems - present in the basement as shown on the attached diagram. Areas of overspray on the walls were observed and will need to be properly abated (removed) as part of the abatement process. There is an estimated 400 sf of this ACBM present.
- 9x9 Vinyl Floor Tile & Associated Black Mastic - present in the front entry area beneath carpeting. There is an estimated 65 sf of this ACBM present.

- Paper Type Duct Insulation Wrap – present on original ductwork in the house. Visible in the basement as a single large duct with a few branches with insulation also present at the vent openings on the main floor. There is an estimated 60 sf of this ACBM present.

The prior listed ACBMs are regulated by the State of Colorado and the EPA and must be handled, removed and disposed of by a State of Colorado licensed asbestos abatement contractor (General Abatement Certificate holder) in accordance with Colorado State Regulation #8 prior to building demolition.

The following materials were positive for 'trace' asbestos content ($\leq 1\%$ asbestos) as verified by point count analysis:

- Interior Plaster – present on most walls and ceilings on the main level of the house and the stairway leading to the basement. There is an estimated 3000 sf of this trace asbestos content plaster present.

The trace asbestos content ($\leq 1\%$ asbestos as verified by point count analysis) building materials listed above are NOT considered to be Asbestos Containing Building Materials (ACBMs) by the State of Colorado or the EPA and therefore are not regulated by these two bodies; however, OSHA regulations apply to damage, disturbance or handling of this trace asbestos content material and landfills will require special packaging and disposal of these materials. OSHA regulations only apply to employee exposure. The presence of any amount of asbestos in building debris/waste will result in landfill packaging requirements, fees and dumping restrictions. The client must contact the landfill to ensure appropriate packaging and disposal compliance. OSHA requirements are detailed here:

- Exposure monitoring of personnel during the first work shift to determine exposure levels. If exposure levels are within the OSHA PEL and STEL, then the requirements listed below apply...if exposure levels are above the OSHA PEL/STEL then work must proceed as Class I OSHA asbestos work.
- Use of wet methods, or wetting agents, to control employee exposures during asbestos handling.
- Prompt clean-up and disposal of wastes and debris contaminated with asbestos in leak-tight containers.
- Prohibition of high speed abrasive disc saws not equipped with

- HEPA filtration.
- Prohibition of compressed air used to remove asbestos, or as a clean-up technique.
 - Prohibition of employee rotation as a means of reducing employee exposure to asbestos.
 - Asbestos awareness training for all personnel (typically eight hours of training).

Furthermore, I recommend the use of half-face negative pressure respirators equipped with HEPA filtered cartridges by all personnel along with other appropriate Personal Protective Equipment (PPE) and establishment of a regulated work area with negative air pressure produced by HEPA filtration of interior air exhausted outside of the building.

Although not required by the State and the EPA for trace asbestos content materials; I recommend that any materials which contain asbestos in any quantity only be damaged or disturbed by properly trained and protected personnel in the employ of a licensed asbestos abatement contractor utilizing appropriate engineering controls and methods. Even trace asbestos content materials can release significant asbestos into the air potentially contaminating portions of the building and resulting in personnel exposure.

The trace asbestos containing materials will need to be packaged appropriately for disposal in the landfill. The property owner should contact the landfill for specifics.

Large Metal Shop Building

No asbestos containing building materials are present in this structure. There are no building materials present which are suspect for potential asbestos content; only wood structural members and metal siding/roof panels.

Metal Carport Structure

No asbestos containing building materials are present in this structure. There are no building materials present which are suspect for potential asbestos content; only wood structural members and metal siding/roof panels.

Small Metal Shop Structure

No asbestos containing building materials are present in this structure. There are no building materials present which are suspect for potential asbestos content; only wood structural members and metal siding/roof panels.

If any previously unknown or undiscovered materials are found during demolition activities which are suspect for asbestos content then these materials should be tested for potential asbestos content prior to continuing any further demolition work.

Disclaimer

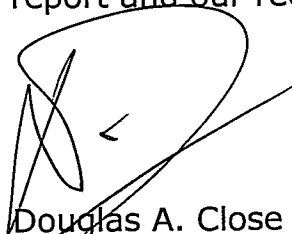
Identified asbestos containing materials may be in areas which are inaccessible or hidden due to their application during the construction process and their subsequent enclosure or covering with building and finish materials. Areas behind walls, inside chases, or other hidden, covered or enclosed areas should be inspected whenever renovation or demolition activities are scheduled which may disturb the materials within or beneath these barriers. Care to watch for hidden or undiscovered materials should be taken by the demolition contractor during the demolition process. A discovery of unknown materials will necessitate stopping demolition until the materials can be inspected by a certified asbestos building inspector. 'Overspray' or excess materials from the installation or application process of asbestos containing materials is common, should be expected in the vicinity of installed asbestos containing materials, and is often present either covered by other building materials or in hidden or unexpected locations.

Bulk material samples are obtained in accordance with applicable regulations, industry standard techniques and analyzed by a NVLAP accredited laboratory; however, due to the asbestos content fluctuations which may occur in a building material due to the application and/or initial mixing process no guarantee can be made as to an 'exact' percentage asbestos content (this includes 'no asbestos detected' and 'trace' contents) which represents the entirety of the material (asbestos content fluctuations can and will occur throughout a building material).

Abatement cost estimates and material quantity estimates are approximate only (due to the hidden nature of many of the materials), and are provided only as a general guideline to the client. More than one licensed Colorado State asbestos abatement contractor should be

consulted to determine actual abatement costs of the ACBMs described above. Actual material quantities can only be determined by complete removal of covering materials.

Please call us with any questions which you may have concerning this report and our recommendations. Thank you.

A handwritten signature in black ink, appearing to read 'Douglas A. Close', is written over the typed name. The signature is stylized and somewhat abstract.

Douglas A. Close
Colorado State and EPA Certified Asbestos Building
Inspector/Management Planner #2930

Sample Description Table(s)

Sampling & Materials Description Table -- 2844 Patterson, GJ, CO

SM PL #	HMG NS AREA	MATERIAL DESCRIPTION	MATERIAL LOCATION(S)	MTR L TYP E	QUA NTITY	COND ITION	REASON for CONDN ASSESS MENT	POTE NTIAL for DAM AGE	REA SON for POT DMG	F/NF	ASB EST OS (Y/N)
1	A	Window glazing	All original windows	M	1 sf	G	-	NPD	-	NF	N
2	A	Window glazing	All original windows	M	1 sf	G	-	NPD	-	NF	N
3	B	Exterior brick coating	House exterior	S	1200 sf	G	-	NPD	-	F	N
4	B	Exterior brick coating	House exterior	S	1200 sf	G	-	NPD	-	F	N
5	B	Exterior brick coating	House exterior	S	1200 sf	G	-	NPD	-	F	N
6	B	Exterior brick coating	House exterior	S	1200 sf	G	-	NPD	-	F	N
7	B	Exterior brick coating	House exterior	S	1200 sf	G	-	NPD	-	F	N
8	C	Brick mortar	House bricks	M	50 sf	G	-	NPD	-	F	N
9	C	Brick mortar	House bricks	M	50 sf	G	-	NPD	-	F	N
10	D	Asphalt roofing shingles	Roof	M	1300 sf	G	-	NPD	-	NF	N
11	D	Asphalt roofing shingles	Roof	M	1300 sf	G	-	NPD	-	NF	N

Sampling & Materials Description Table -- 2844 Patterson, GJ, CO

SM PL #	HMG NS AREA	MATERIAL DESCRIPTION	MATERIAL LOCATION(S)	MTR L TYPE	QUA NTITY	COND ITION	REASON for COND N ASSESS MENT	POTE NTIAL for DAM AGE	REA SON for POT DMG	F/NF	ASB EST OS (Y/N)
12	E	Plaster	Main floor interior walls/ ceilings	S	3000 sf	G	-	NPD	-	F	N
13	E	Plaster	Main floor interior walls/ ceilings	S	3000 sf	G	-	NPD	-	F	N
14	E	Plaster	Main floor interior walls/ ceilings	S	3000 sf	G	-	NPD	-	F	N
15	E	Plaster	Main floor interior walls/ ceilings	S	3000 sf	G	-	NPD	-	F	Trace
16	E	Plaster	Main floor interior walls/ ceilings	S	3000 sf	G	-	NPD	-	F	Trace
17	F	White square pattern sheet vinyl flooring	Kitchen, DR, bathrooms top layer	M	300 sf	G	-	NPD	-	F	N
18	F	White square pattern sheet vinyl flooring	Kitchen, DR, bathrooms top layer	M	300 sf	G	-	NPD	-	F	N
19	G	Black tar impregnated felt	Bottom layer, kitchen, DR, rear entry & east bathroom	M	250 sf	G	-	NPD	-	F	N
20	G	Black tar impregnated felt	Bottom layer, kitchen, DR, rear entry & east bathroom	M	250 sf	G	-	NPD	-	F	N
21	H	9x9 vinyl floor tile & black mastic	South entry area	M	65 sf	G	-	NPD	-	NF	Y, both

Sampling & Materials Description Table -- 2844 Patterson, GJ, CO

SM PL #	HMG NS AREA	MATERIAL DESCRIPTION	MATERIAL LOCATION(S)	MTR L TYPE	QUA NTITY	COND ITION	REASON for COND N ASSESS MENT	POTE NTIAL for DAM AGE	REA SON for POT DMG	F/NF	ASB EST OS (Y/N)
22	H	9x9 vinyl floor tile & black mastic	South entry area	M	65 sf	G	-	NPD	-	NF	Y, both
23	I	Grey paper type duct wrap	Original ductwork & vent boots	M	60 sf	G	-	NPD	-	F	Y
24	I	Grey paper type duct wrap	Original ductwork & vent boots	M	60 sf	G	-	NPD	-	F	Y
25	J	Popcorn type ceiling texture	Basement	S	400 sf	G	-	NPD	-	F	Y
26	J	Popcorn type ceiling texture	Basement	S	400 sf	G	-	NPD	-	F	Y
27	J	Popcorn type ceiling texture	Basement	S	400 sf	G	-	NPD	-	F	Y
28	K	Interior plaster	Basement walls & basement perimeter walls	S	900 sf	G	-	NPD	-	F	N
29	K	Interior plaster	Basement walls & basement perimeter walls	S	900 sf	G	-	NPD	-	F	N
30	K	Interior plaster	Basement walls & basement perimeter walls	S	900 sf	G	-	NPD	-	F	N
31	J	Gypsum board core sample, Homogeneous Area J	Basement	M	400 sf	G	-	NPD	-	F	Y

Abbreviations

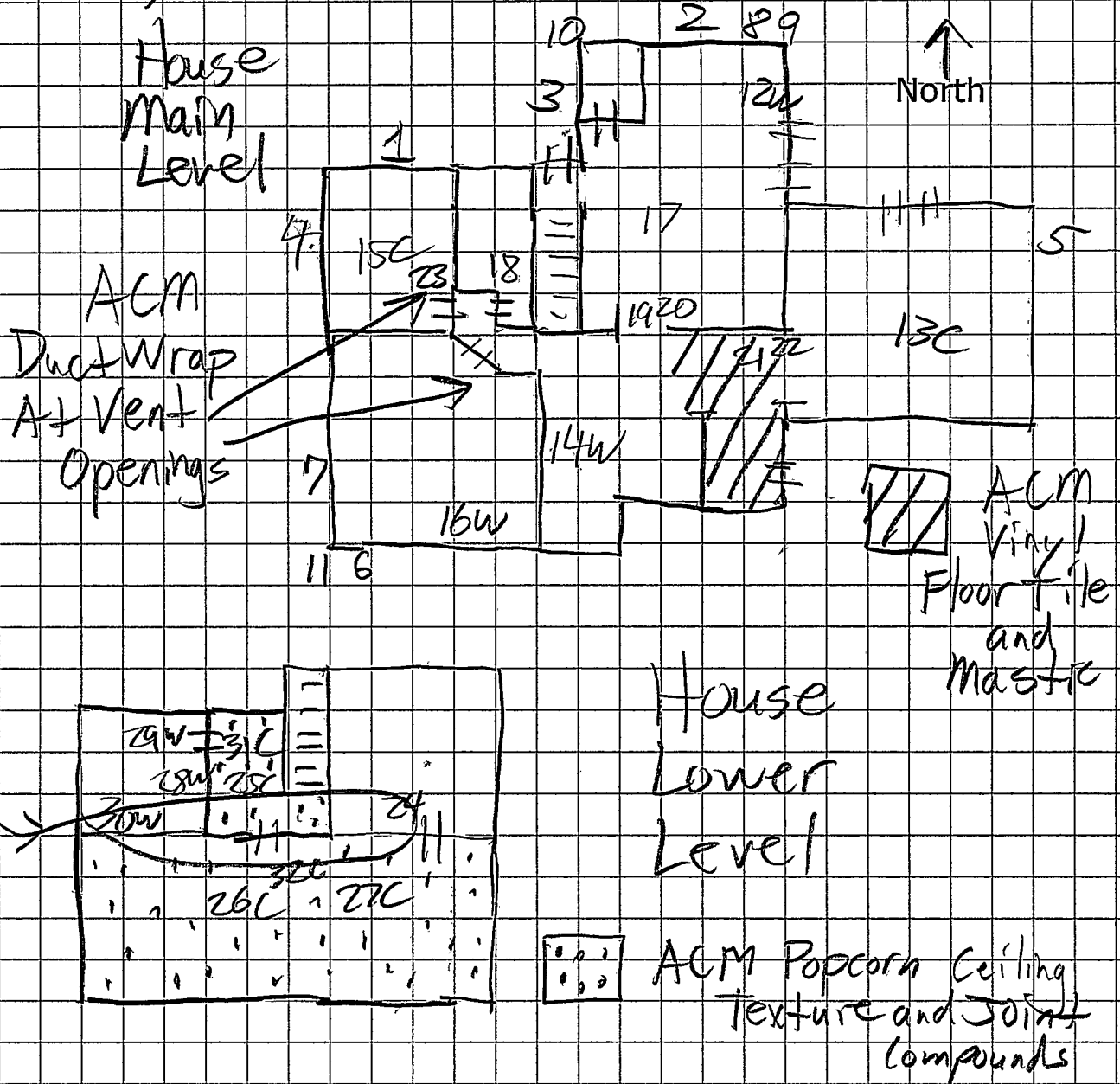
pd -- potential for damage
F -- Friable
spd -- sig. potential for damage
S -- Surfacing material
M -- Miscellaneous material

d -- damaged
NF -- Non-Friable
sd - significant damage
TSI -- Thermal System Insulation
Trace -- <1% asbestos
g -- good
npd -- no potential for damage
Tr, comp - composite trace content

Field Sketch – Sampling Locations

Asbestos Sample Locations Diagram

Site Location: 2844 Patterson Rd.,
GJ, CO



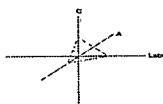
* This diagram is not to scale and is intended solely for the general representation of asbestos contaminated areas.

☆ All interior plaster on main level and stairway to basement = "Trace" Asbestos

Laboratory Analysis Results

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Baton Rouge, LA 70809
Phone 225-751-5632
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NVLAP #200772-0
TDSHS #300370
CDPHE #AL-18111
LELAP #03069

Polarized Light Asbestiform Materials Point Count
Laboratory Analysis Report - Point Count

Analysis and Method

Point counting was performed on a polarized light microscope with a calibrated reticle according to the revised NESHAP method of November 20, 1990 (Federal Register, V.55, N.224, 11/20/90). Original asbestos content of bulk materials was determined using procedures outlined in the interim method (40 CFR part 763, Appendix E to subpart E) and AHERA method (EPA-600/R-93/116). Samples were prepared using HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

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 of 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 NVLAP or AIHA accreditation. Analysis performed at CA Labs, LLC 12232 Industriplex, Suite 32 Baton Rouge, LA 70809.

Customer Info: Attn: Doug Close
Phase Con Environmental Consultants, LLC
2166 Peregrine Court
Grand Junction, CO 81507

Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361B

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 2 Day

Date: 1/26/2024
Samples Received: 1/25/2024
Date Of Sampling:
Purchase Order #:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Point Counted % / Asbestos Type
15	15-2	Gray Plaster	Y	0.25% Chrysotile
16	16-2	Gray Plaster	Y	0.50% Chrysotile

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Approved Signatories:

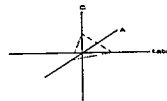
Zo Andriampenanana
Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
Chris Williams

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LELAP #03069

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Phase Con Environmental Consultants, LLC

2166 Peregrine Court
Grand Junction, CO 81507

Attn: Doug Close

Customer Project: 2844 Patterson Road
Reference #: CBR24010361

Date: 1/24/2024

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 performed. Calibrated liquid refractive oils are used as liquid mounting 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 conjunction 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 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 by 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.

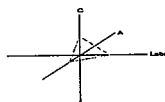
Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

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.



Overview of Project Sample Material Containing Asbestos

Customer Project: 2844 Patterson Road **CA Labs Project #:** CBR24010361

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
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15	15-2	Gray Plaster	2% Chrysotile	Gray Plaster Brown Floor Tile Black Mastic Gray Felt White Textured Surfacing
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16	16-2	Gray Plaster	2% Chrysotile
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21	21-1	Brown Floor Tile	4% Chrysotile
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	21-2	Black Mastic	6% Chrysotile
--	------	--------------	---------------

22	22-1	Brown Floor Tile	4% Chrysotile
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	22-2	Black Mastic	6% Chrysotile
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23	23-1	Gray Felt	70% Chrysotile
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24	24-1	Gray Felt	70% Chrysotile
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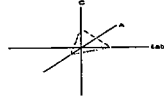
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

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

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CDPHE #AL-18111
LELAP #03069

Overview of Project Sample Material Containing Asbestos

Customer Project: 2844 Patterson Road		CA Labs Project #: CBR24010361	
Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent
			List of Affected Building Material Types

25	25-1	White Textured Surfacing	2% Chrysotile
26	26-1	White Textured Surfacing	2% Chrysotile
27	27-1	White Textured Surfacing	2% Chrysotile
31	31-1	White Textured Surfacing	3% Chrysotile
32	32-1	White Textured Surfacing	3% Chrysotile

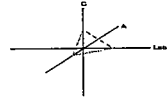
Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

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

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Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close
Phase Con Environmental Consultants, LLC
2166 Peregrine Court
Grand Junction, CO 81507

Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024
Date Of Sampling:
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
1		1-1	Tan Surfaced White Sealant	N	None Detected		100% qu, ma, bi, ca
2		2-1	Tan Surfaced Gray Sealant	N	None Detected		100% qu, ma, bi, ca
3		3-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
4		4-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
5		5-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
6		6-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca
7		7-1	Tan Surfaced White Compound	N	None Detected		100% qu, mi, bi, ca

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:

David Darby
Analyst

Senior Analyst
Alicia Stretz

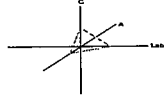
Laboratory Director
Chris Williams

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

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close
Phase Con Environmental Consultants, LLC
2166 Peregrine Court
Grand Junction, CO 81507

Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024

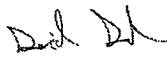
Date Of Sampling:
Purchase Order #:

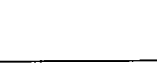
Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
8		8-1	Gray Plaster	Y	None Detected		100% qu, ma, ca
9		9-1	Gray Plaster	Y	None Detected		100% qu, ma, ca
10		10-1	Black Shingle with Tan Gravel	Y	None Detected	70% fg	30% qu, ma, bi
11		11-1	Black Shingle with Tan Gravel	Y	None Detected	70% fg	30% qu, ma, bi
12		12-1	Tan Surfaced White Finishing Plaster	N	None Detected		100% qu, ma, bi, ca
		12-2	Gray Plaster	Y	None Detected		100% qu, ma, pe, ca
13		13-1	White Surfaced White Compound	N	None Detected		100% qu, ma, bi, ca

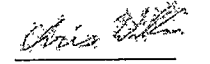
Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for
Identification of asbestos types by dispersion attaining / becke line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


David Darby
Analyst


Senior Analyst
Alicia Stretz

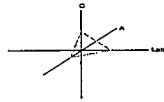

Laboratory Director
Chris Williams

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages affecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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9. < 1% Result point counted positive
10. TEM analysis suggested

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

Polarized Light Asbestiform Materials Characterization

Customer Info: Attn: Doug Close
Phase Con Environmental Consultants, LLC
2166 Peregrine Court
Grand Junction, CO 81507

Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024
Date Of Sampling:
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		13-2	White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
14		14-1	Tan Surfaced White Finishing Plaster	N	None Detected		100% qu, ma, bi, ca
		14-2	Gray Plaster	Y	None Detected		100% qu, ma, pe, ca
15		15-1	Tan Surfaced White Finishing Plaster	N	None Detected		100% qu, ma, bi, ca
		15-2	Gray Plaster	Y	2% Chrysotile		98% qu, ma, ca
16		16-1	Tan Surfaced White Finishing Plaster	N	None Detected		100% qu, ma, bi, ca
		16-2	Gray Plaster	Y	2% Chrysotile		98% qu, ma, ca

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.

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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:

David Darby
Analyst

Senior Analyst
Alicia Stretz

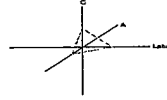
Laboratory Director
Chris Williams

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9. < 1% Result point counted positive
10. TEM analysis suggested

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2844 Patterson Road

CA Labs Project #:
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Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024

Date Of Sampling:
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
17		17-1	Tan Linoleum	Y	None Detected	20% ce	80% qu, ma
18		18-1	Tan Linoleum	Y	None Detected	20% ce	80% qu, ma
		18-2	Tan Mastic	Y	None Detected		100% qu, bi
19		19-1	Black Felt	Y	None Detected	80% ce	20% qu, ma, bi
20		20-1	Black Felt	Y	None Detected	80% ce	20% qu, ma, bi
21		21-1	Brown Floor Tile	Y	4% Chrysotile		96% qu, ma, ca
		21-2	Black Mastic	Y	6% Chrysotile		94% 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.

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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:

David Darby
Analyst

Senior Analyst
Alicia Stretz

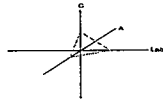
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NVLAP #200772-0
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Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024
Date Of Sampling:
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Physical Description of Subsample	Homo- geneo us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
22		22-1	Brown Floor Tile	Y	4% Chrysotile		96% qu, ma, ca
		22-2	Black Mastic	Y	6% Chrysotile		94% qu, bi
23		23-1	Gray Felt	Y	70% Chrysotile	10% ce	20% qu, ma
24		24-1	Gray Felt	Y	70% Chrysotile	10% ce	20% qu, ma
25		25-1	White Textured Surfacing	N	2% Chrysotile		98% qu, mi, bi, ca
26		26-1	White Textured Surfacing	N	2% Chrysotile		98% qu, mi, bi, ca
27		27-1	White Textured Surfacing	N	2% Chrysotile		98% qu, mi, bi, ca

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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David Darby
Analyst

Senior Analyst
Alicia Stretz

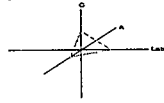
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NVLAP #200772-0
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CDPHE #AL-18111
LELAP #03069

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Customer Project:
2844 Patterson Road

CA Labs Project #:
CBR24010361

Phone # 970-241-6480
Fax # 970-241-6584

Turnaround Time: 24 hr

Date: 1/24/2024
Samples Received: 1/23/2024

Date Of Sampling:
Purchase Order #:

Sample #	Com ment	Layer #	Analysts Subsample	Physical Description of	Homo- gene- us (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
28		28-1		White Surfaced Gray Plaster	N	None Detected		100% qu, ma, bi, ca
29		29-1		Gray Plaster	Y	None Detected		100% qu, ma, ca
30		30-1		White Surfaced Gray Plaster	N	None Detected		100% qu, ma, bi, ca
31		31-1		White Textured Surfacing	N	3% Chrysotile		97% qu, mi, bi, ca
		31-2		White Drywall with Paper	N	None Detected	10% ce	90% qu, gy
32		32-1		White Textured Surfacing	N	3% Chrysotile		97% qu, mi, bi, ca
		32-2		White Drywall with Paper	N	None Detected	10% ce	90% qu, gy

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Analyst

Senior Analyst
Alicia Stretz

Laboratory Director
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C.A. Labs, LLC.
12232 Industriplex
Suite 32
Baton Rouge, LA 70809

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

Chain of Custody

Client Name: Phase Con Environmental Consultants, LLC **CA Labs job # : CBR 24010361**

Client Address: 2166 Peregrine Court
Grand Junction, CO 81507

phone number: 970-260-3341

fax number: 888-966-0231

Project Number: _____

Contact: Douglas Close

Billing Address: Same
(if different) _____

Send Reports to: Douglas Close

Project Name: 2844 Patterson Road

Reports Results VIA: EMAIL FAX VERBAL

Total # Samples Submitted: <u>32</u>	Total # Samples to be Analyzed: <u>32</u>	Material Matrix: Air <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Water <input type="checkbox"/>
---	--	--

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

TEM	TA Time	PLM	TA Time	Optical / IAQ	TA Time
<i>Circle analysis and TA time</i>		<i>Circle analysis and TA time</i>	2 hour	Allergen Particle:	2 hour
AHERA	4 hour	Improved	4 hour	tape/bulk/swab	4 hour
EPA Level II	8 hour	Interim	8 hour	Cycllex-d cassettes	8 hour
Drinking Water	16 hour		16 hour	Air-o-cell cassettes	16 hour
Wipe	24 hour	<u>AHERA</u>	<u>24 hour</u>	Anderson cultures	24 hour
Micro-vac	2 days		2 days	Bulk/swab cultures	2 days
NIOSH 7402	3 days	Point Count -	3 days	Bacteria cultures	3 days
Chatfield Bulk	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 Information:

Sample Number:	Sample Location:	Sample Date/Time:	Sample Volume (L)
<u>1 thru 32</u>			

Custody Information:

Samples relinquished: [Signature] 1/22/24 1600
Signature / Date / Time

Samples received: Carol Braney 10:30
Signature / Date / Time

Samples relinquished: _____
Signature / Date / Time

Samples received: _____
Signature / Date / Time

Certificates



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Douglas A. Close

Certification No.: 2930

has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Inspector/Management Planner*

Issued: October 27, 2023

Expires: October 25, 2024

**This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Douglas A. Close

Certification No.: 2930

has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Project Designer*

Issued: October 27, 2023

Expires: October 25, 2024

**This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative

SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Douglas A. Close

Certification No.: 2930

has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Air Monitoring Specialist*

Issued: October 27, 2023

Expires: October 25, 2024

*This certificate is valid only with the possession of a
current Division approved training course certification
in the discipline specified above.*


Authorized ARCD Representative

SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Phase Con Environmental Consultants, LLC

Registration No.: ACF - 14801

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No. 8, Part B, in the state of Colorado.

Issued: January 30, 2023

Expires: January 30, 2024

Authorized APCD Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

Phase Con Environmental Consultants, LLC

Registration No.: AL - 14801

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No. 8, Part B, in the state of Colorado.

Issued: April 12, 2023

Expires: April 07, 2024


Authorized Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

CA Labs, LLC

Registration No.: AL - 27819

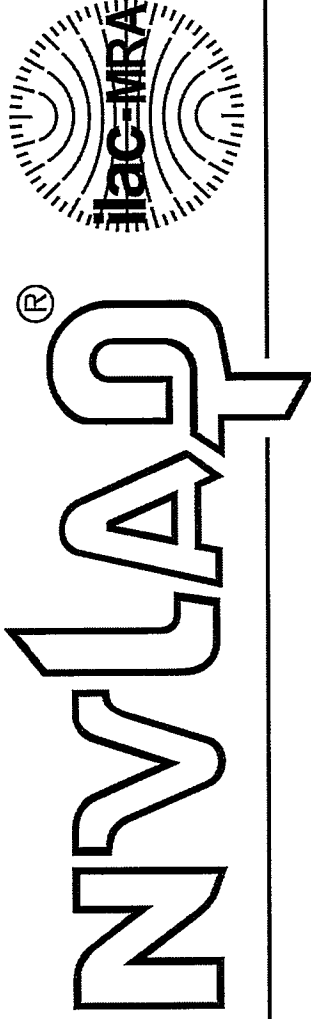
has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 28, 2023

Expires: May 12, 2024

Authorized APD Representative
SEAL

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200772-0

CA Labs L.L.C.
Baton Rouge, LA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2024-01-01 through 2024-12-31

Effective Dates



A handwritten signature in black ink, appearing to read "John S. Lamm".

For the National Voluntary Laboratory Accreditation Program