ENVIRONMENTAL INC
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Glenwood Springs, CO 81601
josh@elementconsults.com
(970) 274-3139

ASBESTOS LEAD HAZMAT RESTORATION www.elementconsults.com

Asbestos Sampling Report

Date: 09/07/2022

Date of Inspection: 09/01/2022

Client:

City of Glenwood Springs

Attn:

Matthew Langhorst

Building Inspector:

James Bates

CDPHE #28136

Joshua Johnson

CDPHE #18401

Property Address
1401 W. 9th St.
Glenwood Springs, CO 81601

Element Environmental Project#:
GWS 090122 9th

Client Job Name
W. 9th St.

TABLE OF CONTENTS

Asbestos Samples Analyzed: ***9***
Positive Asbestos Samples: ***1***

1.0- This was an inspection for suspect ACM (Asbestos Containing Material) for an exterior remodel. Element Environmental conducted a visible inspection for visible materials that would be impacted during the remodel. This inspection was limited to the areas found in the Description of the Sampling Area 7.0. Although sampling is destructive in nature, this was a non-invasive inspection. It was of materials that were accessible. If other suspect materials become visible/apparent during demolition or construction activities, work in that area should be halted and more sampling/testing must take place, per Colorado regulations. Any suspect materials that were not tested are to be assumed to contain asbestos.

2.0- A limited bulk sampling of from all suspect materials was conducted in accordance with Colorado State Requirements. The minimum number of samples per homogenous areas are as follows:

2.1- Surfacing Materials-	<1,000 sq.ft.-	Minimum of 3 samples
	1,000 sq.ft.- 5,000sq.ft.-	Minimum of 5 samples
	>5,000 sq.ft.	Minimum of 7 samples
2.2- Miscellaneous materials-		Minimum of 2 samples
2.3- Thermal Systems Insulation (TSI)-		Minimum of 3 samples

3.0- The purpose of the inspection is to identify materials that are homogenous. A homogeneous area is defined as one which shares suspect material, texture, color, location, and/or apparent time of construction. The materials are touched to determine friability. Friable ACM is material that can be crushed or reduced to powder by hand pressure. The friable materials are segregated into separate homogenous areas. The size of the sampling area is determined. Samples are taken according to a random numerical sequence of the subareas, following guidelines per the EPA Pink Book: Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.

4.0- James Bates, a Colorado Department of Public Health & Environment certified building inspector, certification number: 28136, performed the inspection. The findings were reviewed by Josh Johnson, a Colorado Department of Public Health & Environment certified building inspector, certification number: 18401. Samples taken were sent to CEI Labs in Cary, North Carolina. The samples were analyzed by PLM (Polarized Light Microscopy) analysis. Per the CDPHE Regulation any sample that is found by a lab to be trace, or <1% asbestos, is considered to be ACM material. This material would still be a regulated material by CDPHE. The sample must have an additional "point count" performed to be considered less than 1% and not be regulated by the CDPHE. The lab's documents with analyses and findings are found below.

5.0- SUSPECT MATERIALS SAMPLES

- Spray Foam Insulation
- Caulking

6.0- TABLE OF RESULTS

HOMOGENOUS AREA	DESCRIPTION OF AREA	ACM CATEGORY	NUMBER OF SAMPLES	APPROXIMATE SQ.FT.*	ACM ASSESSMENT CATEGORIES	% AND TYPE OF ASBESTOS FOUND
(A)	Spray Foam on Siding	**Miscellaneous**	3	~5,000 sq.ft.	Non-Friable Non-ACM	No Asbestos Detected
(B)	Spray Foam on Roof	**Miscellaneous**	3	~4,800 sq.ft.	Non-Friable Non-ACM	No Asbestos Detected
(C)	Caulking around Doors and Windows	**Miscellaneous**	3	~5 sq.ft.	Other – Non Friable Miscellaneous ACM with potential for damage	2% Chrysotile in 1 of 3 Samples

Key:
ACM Assessment Categories:

1- Damaged or significantly damaged Thermal Systems Insulation (TSI) ACM
2- Damaged friable surfacing ACM
3- Significantly damaged friable Surfacing ACM
4- Damaged or significantly damaged friable Miscellaneous ACM
5- ACM with potential for damage
6- ACM with potential for significant damage
7- Friable ACM with low potential for damage
Other- ACM not classified in the above Assessment Categories
N/A- Not Applicable
* Square footage is estimated and not for bidding purposes

7.0- DESCRIPTION OF SAMPLING AREA

- Spray foam on siding and roof
- Caulking around doors and windows

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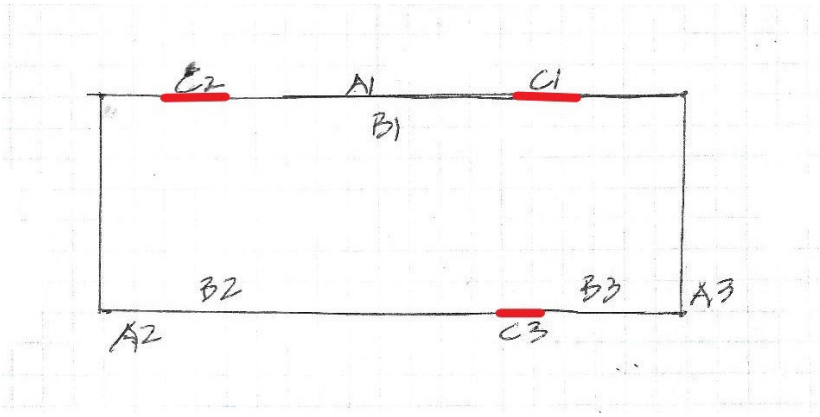
LEAD ASBESTOS HAZMAT RESTORATION

Sampling Locations

N



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8.0- CONCLUSION

The areas on the Table of Results in **Black** did not contain asbestos.

The area on the Table of Results in **Red** contains asbestos:

- The caulking around the doors and windows. Approximately 3 doors and 12 windows.
- These materials are considered non-friable. If the caulking will be rendered friable by mechanical means, then the removal of it is regulated by the CDPHE. If not, then the removal of it is regulated by OSHA. You must consult your landfill to see if they will accept it and how it must be prepared. It may need to be segregated from the other materials so that the landfill may accept it. Element Environmental recommends that an abatement contractor remove these materials to ensure that the workers are trained and that the materials are handled correctly.

Sincerely,
Josh Johnson

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189 county rd 135 glenwood springs, co 81601 970.274.3139
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LEAD ASBESTOS HAZMAT RESTORATION

9.0- LAB REPORT

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Element Environmental LLC

CLIENT PROJECT: Glenwood 090122 9th

LAB CODE: B2211125

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/07/22

TOTAL SAMPLES ANALYZED: 9

SAMPLES >1% ASBESTOS: 1

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Glenwood 090122 9th **LAB CODE: B2211125**

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1401 A1		B2211125.01	Yellow	Foam Siding	None Detected
1401 A2		B2211125.02	Yellow	Foam Siding	None Detected
1401 A3		B2211125.03	Yellow	Foam Siding	None Detected
1401 B1	Layer 1	B2211125.04	Yellow	Foam Roofing	None Detected
	Layer 2	B2211125.04	Black	Tar	None Detected
1401 B2	Layer 1	B2211125.05	Yellow	Foam Roofing	None Detected
	Layer 2	B2211125.05	Black	Tar	None Detected
1401 B3		B2211125.06	Yellow	Foam Roofing	None Detected
1401 C1		B2211125.07	Beige,Yellow	Foam	None Detected
1401 C2		B2211125.08	Beige	Paint	None Detected
1401 C3		B2211125.09	Gray	Caulking	Chrysotile 2%

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Element Environmental LLC
189 CR 135
Glenwood Springs, CO 81601

Lab Code: B2211125
Date Received: 09-06-22
Date Analyzed: 09-07-22
Date Reported: 09-07-22

Project: Glenwood 090122 9th

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
1401 A1 B2211125.01	Foam Siding	Heterogeneous Yellow Non-fibrous Bound			100% <1%	Foam Paint	None Detected
1401 A2 B2211125.02	Foam Siding	Heterogeneous Yellow Non-fibrous Bound			100% <1%	Foam Paint	None Detected
1401 A3 B2211125.03	Foam Siding	Heterogeneous Yellow Non-fibrous Bound			100% <1%	Foam Paint	None Detected
1401 B1 Layer 1 B2211125.04	Foam Roofing	Heterogeneous Yellow Non-fibrous Bound			100% <1%	Foam Paint	None Detected
Layer 2 B2211125.04	Tar	Heterogeneous Black Fibrous Bound	5%	Fiberglass	95%	Tar	None Detected
1401 B2 Layer 1 B2211125.05	Foam Roofing	Heterogeneous Yellow Non-fibrous Bound			100% <1%	Foam Paint	None Detected
Layer 2 B2211125.05	Tar	Heterogeneous Black Fibrous Bound	5%	Fiberglass	95%	Tar	None Detected

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Element Environmental LLC
189 CR 135
Glenwood Springs, CO 81601

Lab Code: B2211125
Date Received: 09-06-22
Date Analyzed: 09-07-22
Date Reported: 09-07-22

Project: Glenwood 090122 9th

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous		ASBESTOS %
1401 B3	Foam Roofing	Heterogeneous		100%	Foam	None Detected
B2211125.06		Yellow		<1%	Paint	
		Non-fibrous				
		Bound				
1401 C1	Foam	Heterogeneous		50%	Foam	None Detected
B2211125.07		Beige,Yellow		50%	Paint	
		Non-fibrous				
		Bound				
No caulking present. Sample appears to be paint and foam.						
1401 C2	Paint	Homogeneous		100%	Paint	None Detected
B2211125.08		Beige				
		Non-fibrous				
		Bound				
No caulking present. Sample appears to be paint.						
1401 C3	Caulking	Heterogeneous		93%	Caulk	2% Chrysotile
B2211125.09		Gray		5%	Paint	
		Fibrous				
		Bound				

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LEGEND:
Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: Valerie King

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: Element Environmental	Job Contact: Josh Johnson
Project Name: GLENWOOD 090122 9TH	
Project ID #: 1401 W. 9TH ST, GLENWOOD SPRINGS, CO	Tel: 970-274-3139

SAMPLE ID#	DESCRIPTION / LOCATION	TE	
1401 A1	SPRAYED FOAM SIDING	PLM ☑	TEM ☐
A2	"	PLM ☑	TEM ☐
A3	"	PLM ☑	TEM ☐
B1	SPRAYED FOAM ROOFING	PLM ☑	TEM ☐
B2	"	PLM ☑	TEM ☐
B3	"	PLM ☑	TEM ☐
C1	WINDOW + DOOR CAULK	PLM ☑	TEM ☐
C2	"	PLM ☑	TEM ☐
C3	"	PLM ☑	TEM ☐
		PLM ☐	TEM ☐
		PLM ☐	TEM ☐
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VERSION CCOC.0215.2/2.LD
Customer COC Page 2

10.0- CERTIFICATES

Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Joshua Jay Johnson

Certification No.: 18401

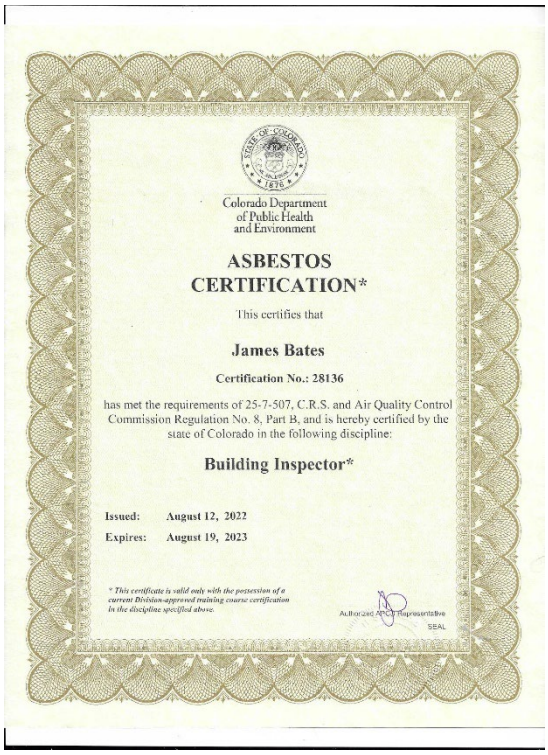
has met the requirements of 25-7-507, C.R.S. and Air Quality Control Commission Regulation No. 8, Part B, and is hereby certified by the state of Colorado in the following discipline:

Building Inspector*

Issued: August 09, 2021
Expires: August 09, 2022

* 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

James Bates

Certification No.: 28136

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:

Building Inspector*

Issued: August 12, 2022
Expires: August 19, 2023

* 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 CONSULTING FIRM

This certifies that

Element Environmental, Inc.

Registration No.: ACF - 21640

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: December 22, 2021
Expires: January 25, 2023

Authorized APCD Representative
SEAL