

**Reviewed for  
Code  
Compliance**

**09/13/2024**



**HealthSafe Inspections Inc  
390 Apple Drive  
Basalt CO 81621  
970-920-2100**

**Jim Baker CDPHE Asbestos Building Inspector #13437  
Ben Baker CDPHE Asbestos Building Inspector #25863**

## **ASBESTOS REPORT**

### **DATE**

09/04/2024

### **CLIENT**

Rocky Stees

### **PROPERTY ADDRESS of INSPECTION**

29697 County Road 14D, Steamboat Springs, Colorado 80487



## **CLIENT BACKGROUND & PLANS**

The Client, Rocky Stees, is planning a full demolition-disposal of the above-referenced single-family cabin and standalone shed, which will have impacts of **disturbance, detachment, deconstruction, demolition, and disposal (5D)** of drywall, drywall, log chinking, house wrap, and roofing building materials, of which some are **suspect** asbestos containing materials (ACM). Prior to **5D**, Rocky is required to have an asbestos inspection by a State of Colorado CDPHE certified asbestos inspector who will collect bulk samples of the **suspect** ACM and have those samples analyzed at a certified laboratory for asbestos content. Rocky hired HealthSafe Inspections, Inc. (hereinafter, HealthSafe) to perform an unlimited asbestos inspection for the cabin and shed.

## **VISUAL INSPECTION & LABORATORY FINDINGS**

An inspection was conducted by Ben Baker of HealthSafe on Wednesday, August 28, 2024, with the client, Rocky Stees, present during the initial survey, inspection and sample collecting. All suspect ACM were identified by homogenous materials and sampled randomly respective to the scope of those materials slated for **5D**. The **suspect** ACM collected and analyzed by EPA 600 Method PLM analysis are the following:

1. **Roller-Applied Surfacing Texture**, a homogeneous surfacing material/texture [samples 1-3: RLR-1,2,3], collected randomly from the bathroom NW corner, west wall in the center, and SW corner, respectively, using the AHERA random sampling grid # 15. This surfacing material/texture is friable and located on the west wall of the bathroom. The estimated impact area of 5D is more than 10 sf, but less than 1,000 sf ( $\pm 75$  sf), requiring a minimum of at least three surfacing/texture material samples. The PLM analytical estimated results: NONE DETECTED.
2. **Drywall System Joint Compound**: a homogeneous miscellaneous seam taping compound requiring at least two samples [samples 4-6: JC-1,2,3], collected from the bathroom NW corner, upper-level center partition wall NW corner, and basement laundry room NW corner, respectively. This material is friable and applied to the cabin interior drywall system. The PLM analytical **estimated** results: NONE DETECTED.
3. **Drywall System**, a homogeneous taped and joint compounded drywall system (classified as a miscellaneous material as a complete integral system) [samples 7-9: J-1,2,3], collected from the bathroom NW corner, upper-level center partition wall NW corner, and basement laundry room NW corner, respectively. These composite layered taped and joint compounded drywall materials are friable and located on the bathroom west wall, upper-level ceiling and south partition wall, and the walls and ceiling of the basement laundry room with a roller-applied surfacing material/texture in the bathroom. The estimated impact area of 5D is more than 1,000 sf, but less than 5,000 sf ( $\pm 1,850$  sf), requiring a minimum of at least two composite core samples of all layers. The PLM analytical estimated results: NONE DETECTED.

4. **Log Chinking**, a homogeneous miscellaneous material requiring a minimum of at least two samples [samples 10-11: CHK-1,2], collected from the cabin SW corner and NW corner, respectively. This material is non-friable and located between the logs around the exterior walls of the cabin. The estimated impact area of 5D is  $\pm 900$  sf. The PLM analytical estimated results: NONE DETECTED.
5. **Shed Tar Paper**, a homogeneous miscellaneous material requiring a minimum of at least two samples [samples 12-13: S-TP-1,2], collected from the shed SE corner and NW corner, respectively. This material is friable and located on the exterior walls of the shed. The estimated impact area of 5D is  $\pm 550$  sf. The PLM analytical estimated results: NONE DETECTED.
6. **Shed Roofing**, a homogeneous miscellaneous material requiring a minimum of at least two samples [samples 14-15: S-RF-1,2], collected from the shed roof SE corner and NW corner, respectively. This material is non-friable and located on the shed roof. The estimated impact area of 5D is  $\pm 200$  sf. The PLM analytical estimated results: NONE DETECTED.

A total of 15 suspect homogeneous ACM bulk samples were collected, and 15 samples were analyzed. The bulk samples were analyzed by EPA 600 PLM analytical methods by a NVLAP accredited laboratory in accordance with Colorado State Regulation 8 for the presence of asbestos mineral fibers. There is NO asbestos in all 15 samples.

See supporting Hayes Microbial Consulting, Inc. data report #24037548\_2.

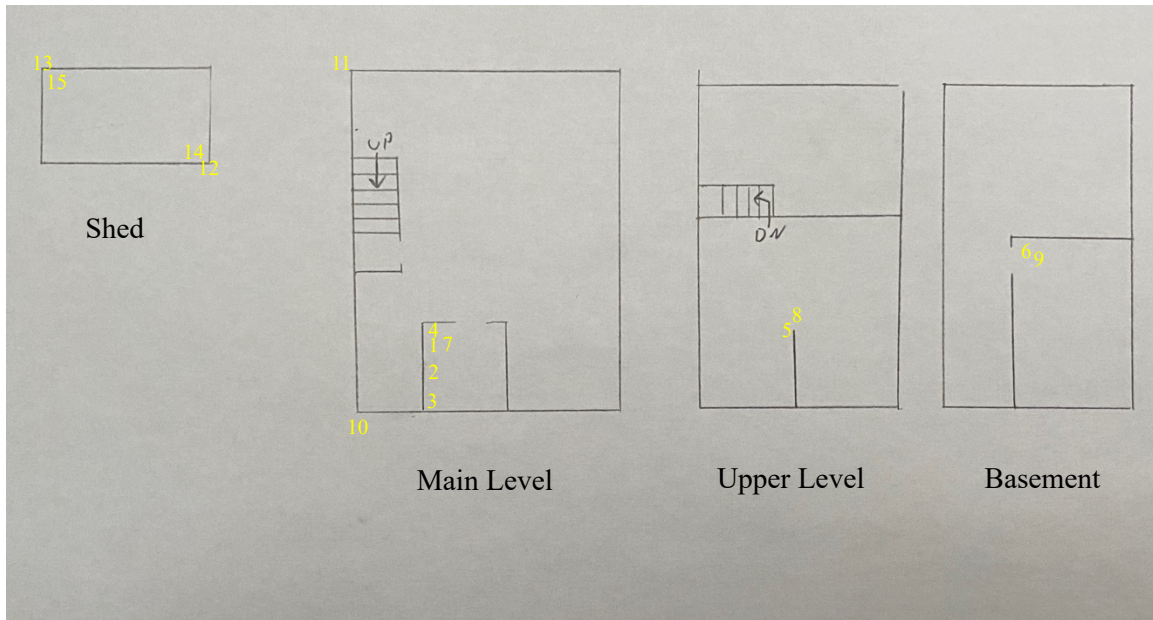
### **HEALTHSAFE CONCLUSIONS**

- There is NO asbestos in any of the suspect building materials slated for 5D in this demolition-disposal project. NO asbestos abatement will be required for any of the building materials. All building waste and debris can be disposed of in any landfill which accepts normal, non-hazardous building waste.

Sincerely Submitted,

Ben Baker

*Ben Baker*





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## **COLORADO & FEDERAL ASBESTOS REGULATIONS SUMMARY**

**Regulation No. 8 Part B – Asbestos** of the Colorado Department of Public Health and Environment (CDPHE), Air Quality Control Commission requires a State-certified Asbestos Building Inspector to inspect and collect bulk samples of all suspect asbestos containing materials (ACM) or suspect asbestos containing building materials (ACBM) prior to their disturbance, removal or demolition and disposal. The suspect materials shall be analyzed by a NVLAP accredited laboratory by polarized light microscopy (PLM) using EPA 600 analytical method. A material which is estimated to contain more than 1% asbestos is classified as ACM/ACBM and regulated by the State and Federal governments. Any friable (able to crush or reduce to powder by finger pressure) asbestos with trace amounts of asbestos fibers or less than 1% must be point-counted using EPA 400 analytical method to prove that it is indeed less than 1%; if not, it must be classified as ACM/ACBM and shall be treated as a State and Federal regulated material. Any friable asbestos containing material (greater than 1% asbestos concentration) or ACM/ACBM that could be rendered friable during its removal or demolition and disposal shall require an asbestos abatement by a certified asbestos abatement contractor to remove and dispose of the material(s).

**A Colorado State (CDPHE) issued asbestos abatement permit is required for the following trigger levels of ACM/ACBM:**

- 1. Residential buildings** of four or fewer units--if more than 32 square feet of any surface coverage (e.g., gypsum wallboard or drywall and associated applied surfacing materials/textures, acoustic sprays, joint compounds, plaster, etc.), 50 feet of asbestos covered or asbestos insulated pipe or any material which would fill a 55-gallon drum is going to be disturbed, removed or disposed of, an asbestos abatement permit is required.
- 2. Residential complexes** with more than four residential units, **public access areas** to a residential building, **commercial and retail buildings, public and civic buildings, industrial buildings**--if more than 160 square feet of surfacing materials, 260 linear feet or more than 35 cubic feet (NESHAP) or 55-gallon drum (CDPHE) of suspect ACM/ACBM is going to be disturbed, removed or disposed of, an asbestos abatement permit is required under NESHAP and by the CDPHE. See note below on OSHA.

The regulations require an absolute minimum of 3 samples (EPA suggests 9) per homogenous suspect surfacing and TSI materials and an absolute minimum of 2 samples of homogenous miscellaneous materials or any number of “samples sufficient to determine whether a material is ACM” (Reg8.IV.D.3). More samples are required based on surface area or volume. These are minimums; the asbestos building inspector has the field responsibility to determine homogenous materials and the number of samples to collect per material; more than the minimum number of samples may be necessary at the discretion of the inspector. An assessment of friability and functional space conditions of the materials are also the inspector’s field responsibilities.

**OSHA compliance is required for all employers and employees no matter the quantity of asbestos present with strict regulations regarding 10 sf or more of TSI or friable surfacing materials, and therefore it does not matter what the quantity or State trigger levels are: all suspect ACM/ACBM shall be inspected and tested for asbestos prior to their disturbance, removal and disposal for worker protection and safety.** See EPA 40 CFR 763.121 Worker Protection Rule, OSHA 29 CFR 1910.134 Respirator Protection Standard, OSHA 29 CFR 1910.1001 General Industry Standard and OSHA 29 CFR 1926.1101 Construction Standard regulations when dealing with asbestos hazards.

Note: County or City regulations may be more stringent.

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Analysis Report prepared for

## HealthSafe Inspections

390 Apple Drive  
Basalt, CO 81621

Phone: (970) 920-2100

Rocky Stees  
29697 CR-14D  
Steamboat Springs, CO 80487

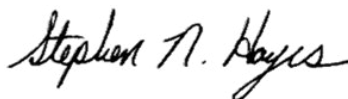
Collected: **August 28, 2024**  
Received: **August 29, 2024**  
Reported: **September 3, 2024**

We would like to thank you for trusting Hayes Microbial for your analytical needs!  
We received 15 samples by FedEx in good condition for this project on August 29th, 2024.

The results in this analysis pertain only to this job, collected on the stated date, and should not be used in the interpretation of any other job. Information supplied by the customer can affect the validity of results. These results apply only to the samples as received. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

All information provided to Hayes Microbial is confidential information relating to our customers and their clients. We will not disclose, copy, or distribute any information verbally or written, except to those designated by the customer(s). We take confidentiality very seriously. No changes to the distribution list will be made without the express consent of the customer.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial. In no event, shall Hayes Microbial or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of the use of these test results.



Steve Hayes, BSMT (ASCP)  
Laboratory Director  
Hayes Microbial Consulting, LLC.



EPA Laboratory ID: VA01419



Lab ID: #188863



DPH License: #PH-0198

**Asbestos PLM Bulk**

EPA 600/R-93/116; EPA 40 CFR Appendix E to Subpart E of Part 763

#	Sample	Material Description	Non-Fibrous	Non-Asbestos Fibers	Asbestos Fibers
1	1 - RLR-1	Homogenous / Texture / White	100%		None Detected
2	2 - RLR-2	Homogenous / Texture / White	100%		None Detected
3	3 - RLR-3	Homogenous / Texture / White	100%		None Detected
4	4 - JC-1	Homogenous / Joint Compound / White	100%		None Detected
5	5 - JC-2	Homogenous / Joint Compound / White	100%		None Detected
6	6 - JC-3	Homogenous / Joint Compound / White	100%		None Detected
7	7 - J-1	Homogenous / Joint Compound / White	100%		None Detected
		Heterogenous / Drywall / White	95%	5% Cellulose Fibers	None Detected
8	8 - J-2	Homogenous / Joint Compound / White	100%		None Detected
		Heterogenous / Drywall / White	95%	5% Cellulose Fibers	None Detected
9	9 - J-3	Homogenous / Joint Compound / White	100%		None Detected
		Homogenous / Tape / Cream	2%	98% Cellulose Fibers	None Detected
		Homogenous / Joint Compound / White	100%		None Detected
		Heterogenous / Drywall / White	95%	5% Cellulose Fibers	None Detected
10	10 - CHK-1	Homogenous / Bulk Material / Tan	100%		None Detected
11	11 - CHK-2	Homogenous / Bulk Material / Tan	100%		None Detected

Asbestos PLM Bulk

EPA 600/R-93/116; EPA 40 CFR Appendix E to Subpart E of Part 763

#	Sample	Material Description	Non-Fibrous	Non-Asbestos Fibers	Asbestos Fibers
12	1 - S-TP-1	Homogenous / Felt / Black	15%	85% Cellulose Fibers	None Detected
13	2 - S-TP-2	Homogenous / Felt / Black	15%	85% Cellulose Fibers	None Detected
14	14 - S-RF-1	Homogenous / Felt / Black	40%	45% Cellulose Fibers 15% Fiberglass	None Detected
15	15 - S-RF-2	Homogenous / Felt / Black	40%	45% Cellulose Fibers 15% Fiberglass	None Detected

**Asbestos Analysis Information**

<b>Analysis Details</b>	All samples were received in acceptable condition unless otherwise noted on the report. This report must not be used by the client to claim product certification, approval, or endorsement by AIHA, NIST, NVLAP, NY ELAP, or any agency. The results relate only to the items tested. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.
<b>PLM Analysis</b>	All Polarized Light Microscopy (PLM) results include an inherent uncertainty of measurement associated with estimating percentages by PLM. Materials with interfering matrix, low asbestos content, or small fiber size may require additional analysis via TEM Analysis.
<b>TEM Analysis</b>	Analysis by TEM is capable of providing positive identification of asbestos type(s) and semi-quantitation of asbestos content.
<b>Definitions</b>	'None Detected' - Below the detected reporting limit of 1% unless point counting is performed, then the detected reporting limit is .25%.
<b>New York ELAP</b>	<p>Per NY ELAP198.6 (NOB), TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing.</p> <p>Any NY ELAP samples that are subcontracted to another laboratory will display the name and ELAP Lab Identification number in the report page heading of those samples. The original report provided to Hayes Microbial Consulting is available upon request.</p>



Company: HealthSafe Inspections, Inc.

Address:

390 Apple Dr

Basalt, CO 81621

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SHIP: FEDEX - ENV 50  
DATE: 08-29-2024

Job Number:		Job Name: Rocky Stees 29697 CR-14D Steamboat Springs, CO 80487		Mobile: (970) 920-2100		Email: healthsafeinspections@gmail.com			
Collector: Ben Baker				Note: CC: ben.baker1833@gmail.com					
Date Collected: 08/28/24									
Analysis Type		Analysis Methods		Turnaround Times					
PLM	Bulk	EPA 600*		3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Point Count	400 Point*, 1000 Point*		3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Vermiculite	EPA 600*, Cincinnati Method		3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
	Soil	EPA 600*, CARB 435		3 Hour*	Same Day*	1 Day	2 Day	3 Day	5 Day
TEM	Air	EPA AHERA, NIOSH 7402		-	Same Day	1 Day	2 Day	3 Day	5 Day
	Bulk	Chatfield		-	Same Day	1 Day	2 Day	3 Day	5 Day
	Wipe	ASTM D6480-05		-	Same Day	1 Day	2 Day	3 Day	5 Day
	Microvac	ASTM D5755-09		-	Same Day	1 Day	2 Day	3 Day	5 Day
PCM	Air	NIOSH 7400		3 Hour	Same Day	1 Day	2 Day	3 Day	5 Day
#	Group	Number	Sample Name	Analysis Type	Turnaround	Volume / Area	Stop (+)		
1			RLR-1	PLM	2 Day				
2			RLR-2						
3			RLR-3						
4			JC-1						
5			JC-2						
6			JC-3						
7			J-1						
8			J-2						
9			J-3						
10			CHK-1						
11			CHK-2						
12			S-TP-1						
13			S-TP-2						
14			S-RF-1						
15			S-RF-2						
16									
Released by:			Date: 08/28/24		Received By:			Date: 8/29/24	





Colorado Department  
of Public Health  
and Environment

# ASBESTOS CERTIFICATION\*

This certifies that

**Benjamin L Baker**

**Certification No.: 25863**


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:** September 01, 2023

**Expires:** September 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 CONSULTING FIRM

This certifies that

**HealthSafe Inspections, Inc.**

Registration No.: ACF - 18234

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: May 07, 2024

Expires: May 14, 2025

Authorized APQD Representative  
SEAL