



**SCI ENGINEERING, INC.**

**EARTH • SCIENCE • SOLUTIONS**

GEOTECHNICAL  
ENVIRONMENTAL  
NATURAL RESOURCES  
CULTURAL RESOURCES  
CONSTRUCTION SERVICES

March 12, 2025

Amy Miller  
NAVIGATE Building Solutions, LLC  
8419 Manchester Road  
Brentwood, Missouri 63144

RE: Asbestos Survey Activities  
1400 Independence Road  
Rolla, Missouri  
SCI No. 2024-0361.25

Dear Amy Miller:

## **INTRODUCTION**

SCI Engineering, Inc. (SCI) is pleased to submit this report of the analytical test results for samples of suspect asbestos-containing materials (ACMs) collected during the survey performed on February 27, 2025. The survey was conducted by Ethan Boyer, Missouri-Licensed Asbestos Inspector. A copy of Ethan's asbestos inspector license is enclosed.

The purpose of this survey was to identify ACMs on the roof of the structure at 1400 Independence Road in Rolla, Missouri. This survey is intended to satisfy the requirements for the asbestos National Emission Standard for Hazardous Air Pollutants (NESHAP) for demolition and renovation. It is not intended to be used for Occupational Safety and Health Administration (OSHA) compliance.

The on-site structure is an approximate 105,000-square-foot office building which appeared to have been constructed in the 1970s. The exterior of the structure was brick, with metal windows, and a built-up roof.

## **LIMITATIONS**

SCI's asbestos survey entailed visually assessing accessible areas of the roof of the structure. No other areas of the structure were surveyed as a part of this report. If any other suspect asbestos materials are discovered during demolition or renovation, please contact SCI, and we will make arrangements for assessment of these materials.

SCI's survey activities were limited to the roof of the structure. During the course of performing the survey, SCI was able to access all locations on/within the roof of the structure.

## **ASBESTOS SURVEY**

Twenty-four samples were collected from the on-site structure and analyzed by polarized light microscopy (PLM). Of the 24 samples, none were found to contain asbestos. Analytical test results and chain-of-custody documentation are enclosed. The results of the analysis of all samples are summarized in Table 1.

**Table 1 - Summary of Analytical Test Results**

Sample Number	Material Location	Material Description	Approx. Quantity	Result	Category
1A	North Roof	Built-Up Roof (Metal Roof Deck)	35,000 sf	None Detected	--
1B				None Detected	
1C				None Detected	
2A	South Roof	Built-Up Roof (Metal Roof Deck)	25,000 sf	None Detected	--
2B				None Detected	
2C				None Detected	
3A	West Roof	Built-Up Roof (Metal Roof Deck)	35,000 sf	None Detected	--
3B				None Detected	
3C				None Detected	
4A	East Roof	Built-Up Roof (Metal Roof Deck)	10,000 sf	None Detected	--
4B				None Detected	
4C				None Detected	
5A	Parapet Walls	Caulk (On Corners)	50 lf	None Detected	--
5B				None Detected	
5C				None Detected	
6A	East Firewall	Flashing Caulk	125 lf	None Detected	--
6B				None Detected	
6C				None Detected	
7A	Equipment	Black Caulk	750 lf	None Detected	--
7B				None Detected	
7C				None Detected	
8A	West Firewall	Flashing Caulk	315 lf	None Detected	--
8B				None Detected	
8C				None Detected	

sf - square feet  
lf - linear feet

## DEMOLITION/RENOVATION

According to the Missouri Department of Natural Resources (MDNR), any friable or potentially friable ACM equal to or greater than 260 linear feet or 160 square feet is classified as a regulated ACM (RACM) and must be removed prior to demolition or renovation which would significantly damage the material. However, no ACMs were identified within the materials sampled.

The Occupational Safety & Health Administration also has regulations (29 CFR Parts 1910 et al, Occupational Exposure to Asbestos, August 10, 1994) regarding removal of asbestos-containing materials which must be followed.

## REPORTING

Attached is Missouri Department of Natural Resources' (MDNR) Notification of Demolition and Renovation form, which has been filled out to the extent possible by SCI. The remaining information must be completed by you.

This report, as well as the completed EPA Notification of Demolition and Renovation form, must be submitted to MDNR, Air Pollution Control, PO Box 176, Jefferson City, Missouri, 65102, Stephanie Hamilton at [asbestosnotifications@dnr.mo.gov](mailto:asbestosnotifications@dnr.mo.gov).

It should be noted that following submittal of the notification form, there is a 10-day waiting period before demolition, renovation, or abatement activities can begin.

If this report is to be used for bidding purposes for asbestos abatement, SCI recommends the contractor visit the site to verify all conditions and quantities.

SCI appreciates the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding the information provided.

Respectfully,

### SCI ENGINEERING, INC.



Ethan D. Boyer  
Missouri State Certified Asbestos Inspector  
Certificate Number 7011061924MOIR22389

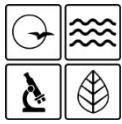


Brian L. Lieb  
Project Scientist

EDB/BLL/bmw

### Enclosures

MDNR Notification of Demolition and Renovation  
Analytical Test Results and Chain of Custody  
Asbestos Inspector Certificate



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM

**ASBESTOS NESHAP NOTIFICATION OF DEMOLITION AND RENOVATION**

**GENERAL INSTRUCTIONS**

**NOTE: There is a \$100 review fee for this notification. Make checks payable to the department's Air Pollution Control Program or the appropriate local agency.**

1. First-time notices = "Original." Amended projects = "Revision." Notice of cancellation = "Cancelled."
2. In the event that no asbestos removal was necessary, indicate "N/A" for asbestos removal contractor.
3. Indicate the type of project.
4. Mark the "YES" box if asbestos is present. In the next box, indicate what types of asbestos materials are present. Mark the "NO" box if no asbestos is present.
5. Failure to complete this section will result in an unapproved project. Include building uses, sizes and age. If you do not know the exact information, give your best estimate.
6. All regulated structures must be inspected by a certified asbestos inspector prior to renovation or demolition. Typically: "Certified asbestos inspector, with sample analysis by PLM." If other methods were used, explain.
7. All asbestos materials present in the building must be included here. Enter amounts (in ft<sup>2</sup>, linear feet, or ft<sup>3</sup>) of material to be removed from or left in the building. For example, in the column "Nonfriable asbestos material to be removed," under subcolumn "CAT II" (on the "surface area" line) you might enter "5,200" and "transite" under the number. The inspection report, which must be attached to the notification, should reflect this information.
8. This line must be completed. Never enter a date that is not at least 10 working days after your postmark, unless you have been granted a waiver by the department. **Missouri law requires notifications to be submitted at least 10 working days in advance of the project start date.**
9. If applicable, enter the dates on which abatement will occur or has occurred.
10. Give a brief description of your demolition/renovation plans, including the scope of work to be performed and the methods used to perform the work. Use an additional page if necessary.
11. Describe how any asbestos-containing materials (ACM) involved will be removed prior to demolition/renovation. If ACM will be left in the building, then indicate precautions used to prevent ACM from being made friable. If all asbestos has been removed, "N/A."
12. Identify waste transporter.
13. Identify waste disposal site.
14. Complete this section only for ordered demolitions. Submit the order with the notification. For all others, "N/A."
15. Complete this section only for emergency renovation projects. For all other renovations, indicate "N/A."
16. Indicate what will be done in the event that friable asbestos or suspect materials are unexpectedly encountered.
17. For regulated asbestos abatement or demolition of an unsafe or damaged structure when a prior inspection has not been conducted, a person trained in the requirements of 40 CFR Part 61, Subpart M must be on site to supervise the asbestos abatement. In the event that no asbestos is present or has already been removed, mark "N/A."
18. Always sign and date this line. This form may be signed by the project owner or operator. The project approval letter will be mailed to the person who signs the notification form.

**NOTE: For all regulated demolition and renovation projects, always include a complete copy of your asbestos inspection report with the notification form.**

Send completed forms to:

Missouri Department of Natural Resources  
APCP, Asbestos  
PO Box 176  
Jefferson City, MO 65102

If using priority mail, send to:

Missouri Department of Natural Resources  
APCP, Asbestos  
1659 E. Elm St.  
Jefferson City, MO 65101



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**ASBESTOS NESHAP NOTIFICATION OF DEMOLITION  
AND RENOVATION**

**FOR OFFICE USE ONLY**

DATE RECEIVED	POSTMARK
CHECK DATE	CHECK NUMBER
CHECK AMOUNT	NOTIFICATION NUMBER

**There is a \$100 review fee for this notification. Processing will be delayed if notification is received without payment.**

**1. TYPE OF NOTIFICATION**

☐ O – ORIGINAL   ☐ C – CANCELLED   ☐ R – REVISION, WRITE REVISION NUMBER \_\_\_\_\_

**2. FACILITY INFORMATION (IDENTIFY OWNER, REMOVAL CONTRACTOR AND OTHER OPERATOR)**

OWNER'S NAME		ADDRESS		
CITY	STATE	ZIP CODE	EMAIL	
CONTACT	TITLE		TELEPHONE NUMBER WITH AREA CODE	
ASBESTOS REMOVAL CONTRACTOR		ADDRESS		
CITY	STATE	ZIP CODE	EMAIL	
CONTACT	TITLE		TELEPHONE NUMBER WITH AREA CODE	
DEMOLITION CONTRACTOR		ADDRESS		
CITY	STATE	ZIP CODE	EMAIL	
CONTACT	TITLE		TELEPHONE NUMBER WITH AREA CODE	

**3. TYPE OF OPERATION**

☐ D – DEMO   ☐ O – ORDERED DEMO   ☐ R – RENOVATION   ☐ E – EMERGENCY RENOVATION

**4. IS ASBESTOS PRESENT?**

<input type="checkbox"/> YES <input type="checkbox"/> NO	LIST TYPE(S) OF ASBESTOS MATERIAL TO BE REMOVED
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**5. FACILITY DESCRIPTION**

BUILDING NAME			
ADDRESS			
CITY	COUNTY	STATE	ZIP CODE
SITE LOCATION			
BUILDING SIZE	NUMBER OF FLOORS	AGE IN YEARS	
PRESENT USE	PRIOR USE		

**6. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL. INCLUDE A COPY OF THE ASBESTOS INSPECTION.**

**7. APPROXIMATE AMOUNT OF ASBESTOS, INCLUDING:**

A. REGULATED ACM (RACM) B. CATEGORY I ACM C. CATEGORY II ACM	RACM TO BE REMOVED	NONFRIABLE ASBESTOS MATERIAL TO BE REMOVED		NONFRIABLE ASBESTOS MATERIAL NOT TO BE REMOVED	
		CAT I	CAT II	CAT I	CAT II
PIPES (LINEAR FEET)					
SURFACE AREA (SQUARE FEET)					
VOL. RACM OFF FACILITY COMPONENT (CUBIC FEET)					

<b>8. SCHEDULED DATES DEMO/RENOVATION (MM/DD/YY)</b>			
START:		COMPLETION:	
<b>9. SCHEDULED DATES ASBESTOS REMOVAL (MM/DD/YY)</b>			
START:		COMPLETION:	
		WEEKDAY WORK HOURS	WEEKEND WORK HOURS
<b>10. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK AND METHOD(S) TO BE USED</b>			
<b>11. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION OR RENOVATION SITE.</b>			
<b>12. WASTE TRANSPORTER</b>			
NAME		ADDRESS	
CITY		STATE	ZIP CODE
CONTACT PERSON		TELEPHONE NUMBER WITH AREA CODE	
<b>13. WASTE DISPOSAL SITE</b>			
NAME			
LOCATION			
CITY		STATE	ZIP CODE
TELEPHONE NUMBER WITH AREA CODE			
<b>14. IF DEMOLITION ORDERED BY A GOVERNMENT AGENCY, IDENTIFY THE AGENCY BELOW.</b>			
NAME		TITLE	
AGENCY			
DATE OF ORDER (MM/DD/YY) INCLUDE A COPY OF THE ORDER.		DATE ORDERED TO BEGIN (MM/DD/YY)	
<b>15. FOR EMERGENCY RENOVATIONS</b>			
DATE AND HOUR OF EMERGENCY			
DESCRIPTION OF THE SUDDEN, UNEXPECTED EVENT			
EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS OR WOULD CAUSE EQUIPMENT DAMAGE OR AN UNREASONABLE FINANCIAL BURDEN			
<b>16. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLLED, PULVERIZED OR REDUCED TO POWDER.</b>			
<b>17. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF THIS REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE 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 (REQUIRED 1 YEAR AFTER PROMULGATION).</b>			
SIGNATURE OF OWNER/OPERATOR			DATE
<b>18. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.</b>			
SIGNATURE OF OWNER/OPERATOR			DATE



# PRECISION ANALYSIS, INC.

Page 1 of 3

## BULK SAMPLE ANALYSIS

Client: SCI Engineering, Inc.  
Project Number: 2024-0361.25  
Project Name: 1400 Independence Rd.,

Date Received: 03-03-25

Date Reported: 03-06-25

**Technique: Polarized Light Microscopy with Dispersion Staining**  
**In accordance with EPA/600/R-93/116 Test Method**

Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
521115	1a	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521116	1b	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521117	1c	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521118	2a	None Detected	Cellulose	Black Tar Binders, Binders, Polyfoam
521119	2b	None Detected	Cellulose	Black Tar Binders, Binders, Polyfoam
521120	2c	None Detected	Cellulose	Black Tar Binders, Binders, Polyfoam
521121	3a	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521122	3b	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521123	3c	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate

\* The upper detection limit is 100 percent.  
The lower detection limit is less than 1 percent.



# PRECISION ANALYSIS, INC.

Page 2 of 3

## BULK SAMPLE ANALYSIS

Client: SCI Engineering, Inc.  
Project Number: 2024-0361.25  
Project Name: 1400 Independence Rd.,

Date Received: 03-03-25

Date Reported: 03-06-25

**Technique: Polarized Light Microscopy with Dispersion Staining**  
**In accordance with EPA/600/R-93/116 Test Method**

Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
521124	4a	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521125	4b	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521126	4c	None Detected	Cellulose	Binders, Polyfoam, Black Tar Binders, Aggregate
521127	5a	None Detected		Binders, Vinyl
521128	5b	None Detected		Binders, Vinyl
521129	5c	None Detected		Binders, Vinyl
521130	6a	None Detected		Binders, Vinyl
521131	6b	None Detected		Binders, Vinyl
521132	6c	None Detected		Binders, Vinyl
521133	7a	None Detected		Black Tar Binders, Vinyl
521134	7b	None Detected		Black Tar Binders, Vinyl
521135	7c	None Detected		Black Tar Binders, Vinyl

\* The upper detection limit is 100 percent.  
The lower detection limit is less than 1 percent.





# PRECISION ANALYSIS, INC.

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## BULK SAMPLE ANALYSIS

Client: SCI Engineering, Inc.  
Project Number: 2024-0361.25  
Project Name: 1400 Independence Rd.,

Date Received: 03-03-25

Date Reported: 03-06-25

**Technique: Polarized Light Microscopy with Dispersion Staining**  
**In accordance with EPA/600/R-93/116 Test Method**

Lab No.	Sample No.	Asbestos Detected & Percentage *	Fibrous Material	Non-Fibrous Material
521136	8a	None Detected		Binders, Vinyl, Paint
521137	8b	None Detected		Binders, Vinyl, Paint
521138	8c	None Detected		Binders, Vinyl, Paint

\* The upper detection limit is 100 percent.  
The lower detection limit is less than 1 percent.

Nikki Hogan  
Laboratory Co-Director

AIHA Bulk Asbestos Proficiency Analytical Testing Program ID # 101228  
In Association with RTI Center for Measurements and Quality Assurance

PLM is not recommended for analysis of vinyl floor tile. Vinyl floor tile often contains milled asbestos with fiber lengths of 1 micrometer or less. Because these fibers are not detected by PLM, PLM analysis may yield a false negative result. We recommend qualitative analysis of vinyl floor tile by Transmission Electron Microscopy (TEM).

Precision Analysis assumes no responsibility for financial or health consequences for action or lack of action taken by our clients or their agents as a result of these analytical reports. Since Precision Analysis was not involved in the collection of these samples, we cannot attest to the proper collection of said samples and therefore are neither responsible nor liable for the accuracy, validity or completeness of the sample collection.



# BULK ASBESTOS CHAIN OF CUSTODY

130 Point West Boulevard  
St. Charles, Missouri 63301  
636-949-8200 Fax 636-949-8269  
www.sciengineering.com

Company : SCI Engineering, Inc.		Please Provide Results Via: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail			
Street: 130 Point West Boulevard		To: brian lieb			
City/State/Zip: St. Charles, Missouri 63301		Telephone #: Fax #: 636-949-8269			
Project Name: 1400 Independence Road		Email: blieb@sciengineering.com			
Project Number: 2024-0361.25					
Turnaround Time (TAT) Options - Please Check One					
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> Other 5-day		
PLM Bulk Analysis		TEM Bulk Analysis			
<input checked="" type="checkbox"/> PLM-EPA 600 <input type="checkbox"/> PLM-EPA 600 NOB <input type="checkbox"/> PLM-Point Count		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> Chatfield Protocol (semi-quantitative)			
<input checked="" type="checkbox"/> Check Box for Stop Positive					
Comments: Roof survey only					
Samplers Name: Ethan Boyer		Samplers Signature:	Date Sampled: 2/27/25		
Building Use/Description/Features: N/A		Age: 1970's	Size: 105,000 SF		
Windows: N/A	Siding: N/A	Roof: BUR	Attic: N/A HVAC: N/A		
Sample #	Material Location	Material Description	Approx. Quantity	Condition	Comments
1ABC	North Roof	BUR	35,000 sf	Good	Metal Roof Deck
2ABC	South Roof	BUR	25,000 sf	Good	Metal Roof Deck
3ABC	West Roof	BUR	35,000 sf	Good	Metal Roof Deck
4ABC	East Roof	BUR	10,000 sf	Good	Metal Roof Deck
5ABC	Parapet Wall	Caulk	50 lf	Good	on corners
6ABC	East Firewall	Flashing Caulk	125 lf	Good	
7ABC	Equipment	Black Caulk	750 lf	Good	
8ABC	West Wall	Flashing Caulk	315 lf	Good	
Relinquished:		Date: 2/28/25 1530	Time:		
Received: Nicole Hogan		Date: MAR 03 REC'D	Time:		

BY: 1 of 1

CERTIFICATION NUMBER:

**7011061924MOIR22389**

THIS CERTIFIES

**Ethan D Boyer**

HAS COMPLETED THE CERTIFICATION

REQUIREMENTS FOR

**Inspector**



APPROVED: **09/16/2024**

TRAINING DATE: **06/19/2024**

EXPIRES: **06/19/2025**

A handwritten signature in dark ink, appearing to read "Stephen M. Hall". The signature is fluid and cursive, written over a light background.

Director of Air Pollution Control Program



# Sampling Locations

Legend

