

April 11, 2023

Michael Kepley City of Concord Planning & Neighborhood Development 35 Cabarrus Avenue, West Concord, NC 28052

RE: Asbestos Inspection and Bulk Sampling at: 228 McGill Avenue NW, Concord, NC 28025 OSE Job #S23-1011

Dear Mr. Kepley:

One Source Environmental, LLC (OSE) was retained by The City of Concord (Client) to perform an asbestos inspection of suspect asbestos-containing materials prior to demolition at 228 McGill Avenue NW in Concord, North Carolina.

The property is a vacant commercial structure. Exterior finishes include brick and stone siding; vinyl and aluminum trim over wood; metal windows; metal door; wood overhead door; and asphalt roof. Interior finishes include concrete, vinyl and carpet flooring; vinyl baseboards; metal and wood doors; plaster, drywall/joint compound (original and new) and concrete block walls; cellulose and acoustic ceiling tiles; concrete ceiling; fiberglass insulation; and metal windows.

The inspection, including bulk sampling, was conducted by Kathryn O. Hubicki, a North Carolinalicensed asbestos building inspector, on March 20, 2023. Samples were analyzed by Eurofins/CEI, Inc., located in Fort Mill, South Carolina, a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory (NVLAP code #600323-0). A total of twenty-nine (29) bulk samples were collected and analyzed to complete the inspection.

The following materials were found to contain asbestos through laboratory analysis or assumed to be **Positive** for asbestos during this sampling episode:

Material	Location	Percentage/ Type	Quantity	Material Condition	NESHAP Category
Joint Compound (Original)	Original Drywall Walls at Rear of Main Room, in Loading Dock, in Office, and Bathrooms	2% Chrysotile	2,440 SF	Damaged	RACM

3717 Latrobe Dr., Unit 760 · Charlotte, NC 28211 · (704) 376-3594 · (704) 376-3593 fax www.ose-llc.com



Material	Location	Percentage/ Type	Quantity	Material Condition	NESHAP Category
3" Black Cove Baseboard	Perimeter of Original Main Room	5% Chrysotile	250 LF	Good	CAT II NF ACM
Cove Baseboard Mastic	Perimeter of Original Main Room	2% Chrysotile	250 LF	Good	CAT II NF ACM
9"x9" Green Vinyl Floor Tile	Throughout Building (except Loading Dock)	10% Chrysotile	1750 SF	Good	CAT I NF ACM
9"x9" White Vinyl Floor Tile	Throughout Building (except Loading Dock)	10% Chrysotile	1750 SF	Good	CAT I NF ACM
Black Flooring Mastic	Throughout Building (except Loading Dock)	10% Chrysotile	3500 SF	Good	CAT I NF ACM
Black Roofing Tar	Roof	10% Chrysotile	3950 SF	Damaged	CAT I NF ACM

Asbestos containing material (ACM) as defined by the EPA and OSHA are materials with an asbestos concentration of greater than 1% (>1%) as analyzed by polarized light microscopy (PLM). In addition, ACM is designated as follows for NESHAP compliance:

Friable asbestos – material which can be crumbled, pulverized or reduced to powder by hand pressure, a.k.a. Regulated Asbestos Containing Materials (RACM).

Category I non-friable – includes resilient floor coverings, asphalt roofing products, gaskets and packings.

Category II non-friable – any non-friable ACM that is not in Category I (i.e. transite siding material).

Results of the bulk sampling indicated the following materials were **Negative** for asbestos during this sampling episode:

Negative Materials 228 McGill Avenue NW, Concord, NC					
Drywall/Joint Compound (new)	Plaster Base and Skim Coats				
Brown Carpet Mastic	Window Glazing				
2'x4' Ceiling Tile	Drywall (original) (assoc. with ACM Joint Compound (original))				
Concrete Sealant	Roofing Core (assoc. with ACM Black Tar)				



FINDINGS

Interpretation of Asbestos Results

Federal OSHA and the U.S. EPA define an ACM as any material containing >1% asbestos. The lower limit of reliable detection for friable asbestos using the PLM analytical method is 1.0% by volume. If "<1%" appears in this report, it should be interpreted as meaning that asbestos was present in the sample, but the exact percentage is unknown.

Furthermore, per EPA NESHAP regulations, friable material with a PLM-derived asbestos concentration of <10% must be assumed to be ACM until it is point counted to more precisely determine the actual asbestos content. If this material is found to contain less than 1% asbestos by point counting, then it may be disposed of as non-hazardous waste. Any sample can be subjected to the more stringent Point Count Method of analysis to more precisely determine the actual asbestos content.

Although a material may contain asbestos at <1%, it **DOES NOT** relieve contractors from performing exposure assessments (personal air monitoring) on their employees per the OSHA Asbestos Standard (29 CFR 1926.1101) and should not be interpreted as asbestos is not present. Although laboratory analysis may indicate "<1%", airborne asbestos concentrations still may exceed the OSHA Permissible Exposure Limit (PEL) depending on the work activity.

CONCLUSIONS AND RECOMMENDATIONS

Results of analysis confirmed asbestos was found to be present in concentrations greater than 1%. The materials that are, or may become friable during demolition, must be removed prior to their disturbance using OSHA Class II abatement procedures.

Federal regulations require notifications prior to the removal of friable asbestos-containing materials or non-friable asbestos-containing materials expected to become friable during the project. If the quantity of the asbestos to be removed is greater than or equal to 160 square/260 linear feet, the contractor shall submit an asbestos notification at least ten working days to NC Department of Health and Human Services (DHHS) before asbestos removal begins. Removal shall be performed following all applicable local and federal regulations. An asbestos abatement design must be prepared by an accredited abatement designer for permitted removal of more than 3000 square feet or 1500 linear feet of regulated asbestos containing materials.

The U.S. EPA and NC require that all asbestos-containing material that may become friable during the course of the project be removed prior to renovation or demolition. Confirmed or suspect asbestos-containing materials disturbed during demolition or abatement activities must be handled and disposed of in accordance with applicable local and Federal regulations.



Abatement of ACM shall be performed by a DHHS-licensed Asbestos Abatement Firm employing DHHS-licensed Asbestos Abatement Supervisors and Workers with a licensed asbestos supervisor onsite at all times during asbestos abatement activities.

Materials uncovered during renovation or demolition activities that are not addressed in this inspection report must be sampled by a licensed asbestos inspector prior to any disturbance. This survey was non-destructive in nature, in that walls or other structural elements were not disturbed to locate hidden materials, however, hidden suspect ACM may still be present. Hidden ACM materials (e.g., duct insulation and fireproofing on inaccessible columns) may be encountered during demolition.

If you have any questions or concerns, please feel free to contact me at (704) 376-3594.

Yours truly, One Source Environmental, LLC

aty O. Mail

Kathryn O. Hubicki President U.S. EPA-accredited Asbestos Building Inspector



DISCLAIMER

The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by the Client, their clients, agents, and representatives.

The PLM analytical method used to facilitate this inspection is the specified method for analysis of bulk material samples under EPA regulations, however, this method may not identify asbestos when fiber sizes are extremely small or if they are non-organically bound (NOB) in a resinous material. As a result, EPA recommends analyzing such materials (floor tiles, mastics and asphaltic roofing materials) using Transmission Electron Microscopy (TEM) when PLM analysis does not detect asbestos in quantities greater than 1%. North Carolina and EPA regulations do not require additional TEM analysis of NOB materials. Further analysis of NOB materials is left to the discretion of the client.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. One Source Environmental, LLC believes the data and analysis to be accurate and relevant, but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating ACM. This report is not intended for, and may not be utilized as a bidding document or as an abatement project specification document.

This report is provided for the sole use of the Client. Reliance on this report by any third parties will be at such party's sole risk, and One Source Environmental, LLC disclaims liability for any use of or reliance on this report by third parties. All portions of this report, including attachments and figures, are interrelated and integral to this report and should not be transmitted independent of each other.



Sample Table

Sample #	Sample Location	Layer #	Description	Asbestos Type	Asbestos%
1A	Left Front Room Wall	1	Drywall (New)	N/A	ND
1B	Main Room – Front Wall	1	Drywall (New)	N/A	ND
1C	Right Front Room Wall	1	Drywall (New)	N/A	ND
2A	Left Front Room Wall	1	Joint Compound (New)	N/A	ND
2B	Main Room – Front Wall	1	Joint Compound (New)	N/A	ND
2C	Right Front Room Wall	1	Joint Compound (New)	N/A	ND
3A	Main Room – Back Wall	1	Plaster Base Coat	N/A	ND
3A	Main Room – Back Wall	2	Plaster Skim Coat	N/A	ND
3B	Main Room – Right Wall	1	Plaster Base Coat	N/A	ND
3B	Main Room – Right Wall	2	Plaster Skim Coat	N/A	ND
3C	Right Front Room – Front Wall	1	Plaster Base Coat	N/A	ND
3C	Right Front Room – Front Wall	2	Plaster Skim Coat	N/A	ND
3D	Main Room – Left Wall	1	Plaster Base Coat	N/A	ND
3D	Main Room – Left Wall	2	Plaster Skim Coat	N/A	ND
3E	Main Room – Back Wall	1	Plaster Base Coat	N/A	ND
3E	Main Room – Back Wall	2	Plaster Skim Coat	N/A	ND
3E	Main Room – Back Wall	3	Black Concrete Sealant	N/A	ND
4A	Main Room – Left Wall	1	3" Cove Baseboard	Chrysotile	5%
4A	Main Room – Left Wall	2	Cove Baseboard Mastic	Chrysotile	2%
4B	Main Room – Left Wall	1	3" Cove Baseboard	PS – NA	PS – NA
4B	Main Room – Left Wall	2	Cove Baseboard Mastic	PS – NA	PS – NA
5A	Main Room	1	9"x9" Green VFT	Chrysotile	10%
5A	Main Room	2	Black Mastic	Chrysotile	10%
5B	Main Room	1	9"x9" Green VFT	PS – NA	PS – NA
5B	Main Room	2	Black Mastic	PS – NA	PS – NA
6A	Main Room	1	9"x9" White VFT	Chrysotile	10%
6A	Main Room	2	Black Mastic	Chrysotile	10%
6B	Main Room	1	9"x9" White VFT	PS – NA	PS – NA
6B	Main Room	2	Black Mastic	PS – NA	PS – NA
7A	Main Room	1	Carpet Mastic	N/A	ND
7B	Main Room	1	Carpet Mastic	N/A	ND
8A	Rear Window	1	Window Glazing Putty	N/A	ND
8B	Rear Window	1	Window Glazing Putty	N/A	ND
9A	Office	1	2'x4' Ceiling Tile	N/A	ND
9B	Office	1	2'x4' Ceiling Tile	N/A	ND
10A	Main Room – Back Wall	1	Drywall (Original)	N/A	ND
10B	Main Room – Back Wall	1	Drywall (Original)	N/A	ND
10C	Office	1	Drywall (Original)	N/A	ND
11A	Main Room – Back Wall	1	Joint Compound (Original)	Chrysotile	2%
11B	Main Room – Back Wall	1	Joint Compound (Original)	Chrysotile	2%
11C	Office	1	Joint Compound (Original)	Chrysotile	2%



Sample #	Sample Location	Layer # Description		Asbestos Type	Asbestos%
12A	Main Room – Back Wall	1	Black Concrete Sealant	N/A	ND
12B	Main Room – Back Wall	1	Black Concrete Sealant	N/A	ND
13A	Roof	1	Roofing Core	N/A	ND
13A	Roof	2	Roofing Core	Chrysotile	10%
13B	Roof	1	Roofing Core	N/A	ND
13B	Roof	2	Black Tar	Chrysotile	10%

ND = No Asbestos Detected VFT = Vinyl Floor Tile PS – NA = Positive Stop – Not Analyzed



Appendix A

Laboratory Analytical Report and Chain of Custody



March 24, 2023

One Source Environmental, LLC 3717 Latrobe Drive Suite 760 Charlotte, NC 28211

CLIENT PROJECT:S23-1011 228 McGill Ave NW, Concord, NCCEI LAB CODE:SA230497v2

CEI

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on March 20, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,

Mansas Da-

Tianbao Bai, Ph.D., CIH Laboratory Director







Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: S23-1011 228 McGill Ave NW, Concord, LAB CODE: SA230497v2 NC

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

			0		ASBESTOS
Client ID	Layer	Lad ID	Color	Sample Description	%
1A		SA230947.01	Off-white,Tan	Drywall	None Detected
1B		SA230947.02	Off-white,Tan	Drywall	None Detected
1C		SA230947.03	Off-white,Tan	Drywall	None Detected
2A		SA230947.04	White	Joint Compound	None Detected
2B		SA230947.05	White	Joint Compound	None Detected
2C		SA230947.06	White	Joint Compound	None Detected
3A	Layer 1	SA230947.07	White	Plaster Skim Coat	None Detected
	Layer 2	SA230947.07	Off-white	Plaster Base Coat	None Detected
3B	Layer 1	SA230947.08	White	Plaster Skim Coat	None Detected
	Layer 2	SA230947.08	Off-white	Plaster Base Coat	None Detected
3C	Layer 1	SA230947.09	White	Plaster Skim Coat	None Detected
	Layer 2	SA230947.09	Off-white	Plaster Base Coat	None Detected
3D	Layer 1	SA230947.10	White	Plaster Skim Coat	None Detected
	Layer 2	SA230947.10	Off-white	Plaster Base Coat	None Detected
3E	Layer 1	SA230947.11A	White	Plaster Skim Coat	None Detected
	Layer 2	SA230947.11A	Off-white	Plaster Base Coat	None Detected
		SA230947.11B	Black	Mastic	None Detected
4A		SA230947.12A	Black,White	3" Cove Baseboard	Chrysotile 5%
		SA230947.12B	Brown	Mastic	Chrysotile 2%
4B		SA230947.13A		Sample Not Analyzed per COC	
		SA230947.13B		Sample Not Analyzed per COC	
5A		SA230947.14A	Green	9"x9" Vft	Chrysotile 10%
		SA230947.14B	Black	Mastic	Chrysotile 10%
5B		SA230947.15A		Sample Not Analyzed per COC	
		SA230947.15B		Sample Not Analyzed per COC	
6A		SA230947.16A	White	9"x9" Vft	Chrysotile 10%
		SA230947.16B	Black	Mastic	Chrysotile 10%
6B		SA230947.17A		Sample Not Analyzed per COC	
		SA230947.17B		Sample Not Analyzed per COC	
7A		SA230947.18	Brown	Carpet Mastic	None Detected
7B		SA230947.19	Brown	Carpet Mastic	None Detected

2752 Pleasant Rd Suite 100A • Fort Mill, SC 29708 • 803.526.5146



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: S23-1011 228 McGill Ave NW, Concord, LAB CODE: SA230497v2 NC

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
8A		SA230947.20	White	Window Glazing	None Detected
8B		SA230947.21	White	Window Glazing	None Detected
9A		SA230947.22	White	2'x4' Ceiling Tile	None Detected
9B		SA230947.23	White	2'x4' Ceiling Tile	None Detected
10A		SA230947.24	Off-white,Tan	Drywall	None Detected
10B		SA230947.25	Off-white,Tan	Drywall	None Detected
10C		SA230947.26	Off-white,Tan	Drywall	None Detected
11A		SA230947.27	Beige	Joint Compound	Chrysotile 2%
11B		SA230947.28	Beige	Joint Compound	Chrysotile 2%
11C		SA230947.29	Beige	Joint Compound	Chrysotile 2%
12A		SA230947.30	Black	Concrete Sealant	None Detected
12B		SA230947.31	Black	Concrete Sealant	None Detected
13A	Layer 1	SA230947.32	Black	Roofing Core	None Detected
	Layer 2	SA230947.32	Black	Tar	Chrysotile 10%
13B		SA230947.33		Sample Not Analyzed per COC	



By: POLARIZING LIGHT MICROSCOPY

CEI

Client: One Source Environmental, LLC 3717 Latrobe Drive Suite 760 Charlotte, NC 28211
 Lab Code:
 SA230497v2

 Date Received:
 03-20-23

 Date Analyzed:
 03-22-23

 Date Reported:
 03-22-23

Project: S23-1011 228 McGill Ave NW, Concord, NC

ASBESTOS BULK PLM, EPA 600 METHOD **NON-ASBESTOS COMPONENTS Client ID** Lab Lab ASBESTOS Description Lab ID Attributes **Fibrous Non-Fibrous** % 20% **1A** Drywall Heterogeneous Cellulose 80% Gypsum None Detected SA230947.01 Off-white,Tan Fibrous Bound Drywall Heterogeneous 20% Cellulose 80% Gypsum None Detected **1B** SA230947.02 Off-white,Tan Fibrous Bound 1C Drywall Heterogeneous 20% Cellulose 80% Gypsum None Detected SA230947.03 Off-white,Tan Fibrous Bound Joint Compound Heterogeneous 60% Binder None Detected 2A SA230947.04 Calc Carb White 35% Non-fibrous 5% Paint Bound Joint Compound Heterogeneous 60% Binder None Detected 2B SA230947.05 White 35% Calc Carb Non-fibrous 5% Paint Bound 60% 2C Joint Compound Heterogeneous Binder None Detected SA230947.06 White 35% Calc Carb Non-fibrous 5% Paint Bound 3A Plaster Skim Coat Heterogeneous 65% Binder None Detected White Layer 1 30% Silicates SA230947.07 Non-fibrous 5% Paint Bound



By: POLARIZING LIGHT MICROSCOPY

CEI

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 Lab Code:
 SA230497v2

 Date Received:
 03-20-23

 Date Analyzed:
 03-22-23

 Date Reported:
 03-22-23

Project: S23-1011 228 McGill Ave NW, Concord, NC

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NO Fibr	NON-ASBESTOS COMPONENTS Fibrous Non-Fibrous			ASBESTOS %		
Layer 2 SA230947.07	Plaster Base Coat	Homogeneous Off-white Non-fibrous Bound	<1%	Cellulose	80% 15% 5%	Binder Silicates Mica	None Detected		
3B Layer 1 SA230947.08	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected		
Layer 2 SA230947.08	Plaster Base Coat	Homogeneous Off-white Non-fibrous Bound	<1%	Cellulose	80% 15% 5%	Binder Silicates Mica	None Detected		
3C Layer 1 SA230947.09	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected		
Layer 2 SA230947.09	Plaster Base Coat	Homogeneous Off-white Non-fibrous Bound	<1%	Cellulose	80% 15% 5%	Binder Silicates Mica	None Detected		
3D Layer 1 SA230947.10	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			65% 30% 5%	Binder Silicates Paint	None Detected		
Layer 2 SA230947.10	Plaster Base Coat	Homogeneous Off-white Non-fibrous Bound	<1%	Cellulose	80% 15% 5%	Binder Silicates Mica	None Detected		



By: POLARIZING LIGHT MICROSCOPY

CEI

Client: One Source Environmental, LLC 3717 Latrobe Drive Suite 760 Charlotte, NC 28211
 Lab Code:
 SA230497v2

 Date Received:
 03-20-23

 Date Analyzed:
 03-22-23

 Date Reported:
 03-22-23

Project: S23-1011 228 McGill Ave NW, Concord, NC

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTO Fibrous	S COMPONENTS Non-Fibrous	ASBESTOS %
3E Layer 1 SA230947.11A	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		65% Binder 30% Silicates 5% Paint	None Detected
Layer 2 SA230947.11A	Plaster Base Coat	Homogeneous Off-white Non-fibrous Bound	<1% Cellulose	80% Binder 15% Silicates 5% Mica	None Detected
SA230947.11B	Mastic	Homogeneous Black Non-fibrous Bound		100% Tar	None Detected
4A SA230947.12A	3" Cove Baseboard	Homogeneous Black,White Non-fibrous Tightly Bound		95% Vinyl <1% Paint	5% Chrysotile
SA230947.12B	Mastic	Homogeneous Brown Non-fibrous Bound		98% Mastic	2% Chrysotile
4B SA230947.13A	Sample Not Analyzed per COC				
SA230947.13B	Sample Not Analyzed per COC				
5A SA230947.14A	9"x9" Vft	Homogeneous Green Non-fibrous Tightly Bound		90% Vinyl	10% Chrysotile



By: POLARIZING LIGHT MICROSCOPY

CEI

Client: One Source Environmental, LLC 3717 Latrobe Drive Suite 760 Charlotte, NC 28211
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 Date Analyzed:
 03-22-23

 Date Reported:
 03-22-23

Project: S23-1011 228 McGill Ave NW, Concord, NC

Client ID	Lab	Lab	NENTS	ASBESTOS			
Lab ID	Description	Attributes	Fibr	ous	Non-F	ibrous	%
SA230947.14B	Mastic	Homogeneous Black Non-fibrous Bound			90%	Tar	10% Chrysotile
5B SA230947.15A	Sample Not Analyzed per COC						
SA230947.15B	Sample Not Analyzed per COC						
6A SA230947.16A	9"x9" Vft	Homogeneous White Non-fibrous Tightly Bound			90%	Vinyl	10% Chrysotile
SA230947.16B	Mastic	Homogeneous Black Non-fibrous Bound			90%	Tar	10% Chrysotile
6B SA230947.17A	Sample Not Analyzed per COC						
SA230947.17B	Sample Not Analyzed per COC						
7A SA230947.18	Carpet Mastic	Homogeneous Brown Non-fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected
7B SA230947.19	Carpet Mastic	Homogeneous Brown Non-fibrous Bound	<1%	Synthetic Fiber	100%	Mastic	None Detected



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CEI

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 Date Analyzed:
 03-22-23

 Date Reported:
 03-22-23

Project: S23-1011 228 McGill Ave NW, Concord, NC

ASBESTOS BULK PLM, EPA 600 METHOD **NON-ASBESTOS COMPONENTS Client ID** Lab Lab **ASBESTOS** Lab ID Description Attributes **Fibrous** Non-Fibrous % Window Glazing Homogeneous 85% Binder None Detected **8A** SA230947.20 White 15% Calc Carb Non-fibrous Bound Window Glazing Homogeneous None Detected 85% Binder 8**B** SA230947.21 White 15% Calc Carb Non-fibrous Bound 2'x4' Ceiling Tile Homogeneous 60% Cellulose 15% Perlite None Detected 9A SA230947.22 White 20% Fiberglass 5% Paint Fibrous Loosely Bound 9B 2'x4' Ceiling Tile Homogeneous 60% Cellulose 15% Perlite None Detected SA230947.23 White 20% Fiberglass 5% Paint Fibrous Loosely Bound Heterogeneous 20% 80% 10A Drywall Cellulose Gypsum None Detected Off-white,Tan SA230947.24 Fibrous Bound 10B Drywall Heterogeneous 20% Cellulose 80% Gypsum None Detected Off-white,Tan SA230947.25 Fibrous Bound 10C Drywall Heterogeneous 20% Cellulose 80% Gypsum None Detected SA230947.26 Off-white,Tan Fibrous Bound



By: POLARIZING LIGHT MICROSCOPY

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Project: S23-1011 228 McGill Ave NW, Concord, NC

ASBESTOS	ASBESTOS BULK PLM, EPA 600 METHOD						
Client ID Lab ID	Lab Description	Lab Attributes	NO Fibr	N-ASBESTOS ous	COMPO Non-F	NENTS Fibrous	ASBESTOS %
11A SA230947.27	Joint Compound	Heterogeneous Beige Non-fibrous Bound			60% 33% 5%	Binder Calc Carb Paint	2% Chrysotile
11B SA230947.28	Joint Compound	Heterogeneous Beige Non-fibrous Bound			60% 33% 5%	Binder Calc Carb Paint	2% Chrysotile
11C SA230947.29	Joint Compound	Heterogeneous Beige Non-fibrous Bound			60% 33% 5%	Binder Calc Carb Paint	2% Chrysotile
12A SA230947.30	Concrete Sealant	Homogeneous Black Non-fibrous Bound			95% 5%	Tar Silicates	None Detected
12B SA230947.31	Concrete Sealant	Homogeneous Black Non-fibrous Bound			95% 5%	Tar Silicates	None Detected
13A Layer 1 SA230947.32	Roofing Core	Heterogeneous Black Fibrous Bound	35%	Fiberglass	60% 5%	Tar Gravel	None Detected
Layer 2 SA230947.32	Tar	Homogeneous Black Fibrous Bound	2%	Cellulose	88%	Tar	10% Chrysotile
13B SA230947.33	Sample Not Analyzed per COC						



CEI

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:

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

Tianbao Bai, Ph.D., CIH Laboratory Director

A version indicated by 'v' after the Lab ID# with a value greater than 1 indicates an amendment has occurred. The revised sample/description/ID is indicated by an *

ONE SOURCE Environmental	ACHAIN	PM Due 3[22/23C17:0 SBESTOS I OF CUSTOI	DY	Lab Use Only CEI Lab C SA230 CEI Lab II	ode: イタフ O Range:			
Company: One	Source Environmental, LLC	Office Phone: 70	4-376-3	594				
Address: 3717	dress: 3717 Latrobe Drive, Unit 760			Cell Phone:				
City, State, ZIP:	Fax: 704-376-3593							
Sampling Contact:	Email: <u>katie@ose-llc.com</u>							
Project Name: ५२२ Sampler Name and L Date Collected:	NC		Client 26	Number 521				
	Analysis Type Requested:		Turn	Around T	ime Requ	ested:		
Asbestos A PLM Bulk PLM 400 P PLM 1000 P PLM Gravir PCM Air Ca	nalysis TEM Analysis Image: mail of the system Image: mail of the system oint Count Image: mail of the system Point Count Image: mail of the system metric Point Count Image: mail of the system assette Image: mail of the system			Same Day 1 Day 2 Days		3 Days 4 Days 5 Days		
Other Analy	vsis Requested							
Sample Number	Material Description / Location Sampled	Homogeneous A	reas	Quantity	Condition	Friability (F/NF)		
IAZA	Dywall +Jointlampound/1	KO)+213	()					
IB12B	Main Rm - FR wa	1						
30	- / Kight Front Icoom	2						
20	Plaster / main kom- Back	5						
30	12+ Ematlen - Emat							
30	Main Rooms - Left							
3E	Parking Pocker							
4.0	211 Car Augla al (Mad) Mag	1						
	5 Come padelobara / Winin loogn	1						
Special Instructions: Positive Str	Do not composite drywall and joint compound. pp with HA. POSitive Stop for	r Black Mas	stic a	VET.				
Relinguished By:	Date Time Received	By:			Date	Time		
KAOHM	3/20/23/1445 C	WS			3/20/23	2:45pr		
Samples will be retained	d for 30 days after analysis, unless otherwise requested.		ecept Sar	nples nples	of			

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Project Name: 523-1011 228 McGill Ave NW, COALOID NC

Sample Number	Material Description / Location Sampled	Homogeneous Areas	Quantity	Condition	Friability (F/NF)
5A	9"x9" Green VET / Main Roban	5		•	
SB		4			
6A	9"x9" White VFT/ May Room	6			
(0B		L			
ΤA	CAREPT MOSTIC/ MAIA ROOM	7			
78	T T	Ĺ			
48	Window 6 Lazing Putty / Rear Wind	w R			
8B		<u> </u>			
90	2'x4' Ceiling Tile/ Office	9			
98	L'III				
10A/11A	OLD DAMAILT JC / WAIN Dun Rack	10(D) + 11(3Q)			
IDRINA			1		
100/110	1 phip				
12A	Black Concrete Sontant/Main Kin 1	Ruck 12			
IAG	L				
134	Rachard (mg Roof	13			
138	Level L	L L			
	et /				
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	•	Bara	2	of	2



Appendix B

Personnel Credentials and Laboratory Accreditation

United States Department of Commerce National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600323-0

Eurofins CEI, Inc. Fort Mill, SC

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 Communique dated January 2009).

2023-04-01 through 2024-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Eurofins CEI, Inc.

2752 Pleasant Road Suite 100 Fort Mill, SC 29708 Dr. Tianbao Bai Phone: 919-481-1413 Fax: 919-481-1442 Email: tianbao.bai@eurofinset.com http://www.eurofinsus.com/CEI

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 600323-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u> 18/A02

Description

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program



Appendix C

Photographs







2. ACM 3" Cove Baseboard and ACM Brown Mastic



3. ACM 9"x9" Green Vinyl Floor Tile and ACM 9"x9" White Vinyl Floor Tile

4. ACM Black Mastic assoc. with 9"x9" Vinyl Floor Tile





5. Non-ACM Brown Carpet Mastic



6. Non-ACM Drywall (new)/Non-ACM Joint Compound (new)



7. Non-ACM 2'x4' Ceiling Tile



8. Non-ACM Drywall (original)/ACM Joint Compound (original)



9. Docking Area



10. Non-ACM Window Glazing Putty



11. Non-ACM Roofing Core and ACM Black **Roofing Sealant**

12. Roof with ACM Black **Roofing Sealant on top** and at edges