



SIERRA ENVIRONMENTAL GROUP, INC.

September 23, 2015

Mr. Dennis Zimmer
City of Dayton
Department of Building Services/Division of Housing Inspection
P.O. Box 22
371 West 2nd Street, Room 324
Dayton, OH 45402

Re: Comprehensive Pre-Demolition Asbestos Inspection
Vacant Residence
2044 Victoria Avenue
Dayton, Ohio 45406
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 8, 2015, Mr. Todd Taylor (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES32139) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residence located at 2044 Victoria Avenue in Dayton, Ohio. The purpose of this visit was to conduct a comprehensive asbestos inspection of the specified residence scheduled for demolition. This inspection process includes a visual inspection, as well as, the collection and analyses of samples from suspect asbestos-containing materials.

During the survey, the samples were collected utilizing sampling methods outlined in current EPA Guidance Documents. Each sample was collected and placed in a clean, sealable container and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Log Sheet, including sample identification number, date of inspection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g., thermal insulation, fireproofing, acoustical plaster). The samples were submitted to an analytical laboratory and analyzed for asbestos content by polarized-light microscopy (PLM) and dispersion staining (Method Reference: EPA-600/R-93/116). This analytical method, which the EPA currently recommends for the determination of asbestos in bulk samples of suspect materials, can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the client's name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection on site. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The composition of the bulk sample is reported in percentages of asbestos (i.e., chrysotile, amosite, or other) and non-asbestos (i.e., cellulose, fiberglass, or other) components. The results of the sample analyses can be found on the laboratory report enclosed and Table 1.

Sierra collected samples from wall and ceiling systems, flooring materials, roofing materials, ceiling tiles, window glaze, heat shield and duct insulation. Two (2) asbestos-containing materials were identified within the residence scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM) from this site prior to demolition would be \$1,900.00. These costs have been estimated and are based on local wage rates and do not include prevailing wage rates. These costs do not include specifications, permits, contractor oversight or third party monitoring.

Sierra made every effort to locate suspect asbestos-containing materials that may be concealed; however, suspect asbestos-containing materials which may be located behind hard plaster walls or ceilings, hard walled chases, under flooring or sub-flooring, under building contents, etc., were not assessed or quantified. If through demolition suspect materials are discovered

that were not sampled during the initial site visit; Sierra should be notified to document any additional samples that may be required and handled accordingly.

This report is prepared to assist the Montgomery County Land Reutilization Corporation, City of Dayton, construction managers and asbestos abatement contractors in locating asbestos-containing materials. This report is not intended as a bidding document or project specifications.

Enclosed are the following Sierra documents: 1) Table 1-Bulk Sample Data Summary; 2) Table 2-Asbestos Inventory; 3) Table 3-Cost Estimate; 4) Laboratory Report; 5) Site Photographs; 6) Inspector's Certification. If we can be of further assistance on this or any other project, do not hesitate to call us at (513) 542-5323.

Sincerely,

SIERRA ENVIRONMENTAL GROUP, INC.



Todd Taylor
Operations Manager

Attachments



TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant residence located at 2044 Victoria Avenue, Dayton, Ohio.					
Textured wall (Surfacing, >5,000 sf)	Living room	1	1-1	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Dining room	1	1-2	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Kitchen	1	1-3	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Stairwell to 2nd floor	1	1-4	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Hallway 2nd floor	1	1-5	None Detected	Nonfriable
Textured ceiling (Surfacing, >5,000 sf)	Hallway 2nd floor	1	1-6	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Stairwell to 2nd floor	1	1-7	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell	2	2-1	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Basement stairwell	2	2-2	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Living room	2	2-3	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room	2	2-4	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Bathroom	2	2-5	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Bathroom	2	2-6	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Front right bedroom, 2nd floor	2	2-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell	3	3-1	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Basement stairwell	3	3-2	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Living room	3	3-3	None Detected	Nonfriable

Table 1-1

TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room	3	3-4	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Bathroom	3	3-5	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Bathroom	3	3-6	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Front right bedroom, 2nd floor	3	3-7	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen	4	4-1	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen	4	4-2	None Detected	Nonfriable
12" White ceiling tile (Miscellaneous)	Kitchen	5	5-1	None Detected	Friable
12" White ceiling tile (Miscellaneous)	Kitchen	5	5-2	None Detected	Friable
12" White ceiling tile (Miscellaneous)	Kitchen	5	5-3	None Detected	Friable
12"x12" Flower pattern sticky back floor tile (Miscellaneous)	Bathroom	6	6-1	None Detected	Nonfriable
12"x12" Flower pattern sticky back floor tile (Miscellaneous)	Bathroom	6	6-2	None Detected	Nonfriable
Tan floor tile, 2nd layer (Miscellaneous)	Bathroom	7	7-1	None Detected	Nonfriable
Tan floor tile, 2nd layer (Miscellaneous)	Bathroom	7	7-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Front right bedroom, 2nd floor	8	8-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Front right bedroom, 2nd floor	8	8-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Front right bedroom, 2nd floor	8	8-3	None Detected	Nonfriable
Duct insulation (Thermal System Insulation)	Basement	9	9-1	45% Chrysotile	Friable

Table 1-2

TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
Heat shield (Thermal System Insulation)	Basement	10	10-1	80% Chrysotile	Friable
Window glaze (Miscellaneous)	Exterior	11	11-1	None Detected	Friable
Window glaze (Miscellaneous)	Exterior	11	11-2	None Detected	Friable
Drywall (Miscellaneous)	Front right bedroom closet, 2nd floor	12	12-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Front right bedroom closet, 2nd floor	12	12-2	None Detected	Nonfriable
Black asphalt roof shingle (Miscellaneous)	Exterior	13	13-1	None Detected	Nonfriable
Black asphalt roof shingle (Miscellaneous)	Exterior	13	13-2	None Detected	Nonfriable

TABLE 2 - ASBESTOS INVENTORY

Location	Type ACM	Material Description	Amt. of Material (approx.)
The following asbestos-containing materials are located in the vacant residence located at 2044 Victoria Avenue, Dayton.			
Basement	RACM	Duct insulation	20 sf
Basement	RACM	Heat shield	10 sf
Basement to the 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	50 sf

Table 2-1

TABLE 3 - COST ESTIMATE

Location	Type ACM	Material Description	Cost for abatement (approx.)
The following asbestos-containing materials are located in the vacant residence located at 2044 Victoria Avenue, Dayton, Ohio.			
Basement	RACM	Duct insulation	\$400.00
Basement	RACM	Heat shield	\$250.00
Basement to the 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,250.00

Table 3-1

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735568	Description / Location:	Off-White Texture	
Client No.:	1-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735569	Description / Location:	Off-White Texture	
Client No.:	1-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

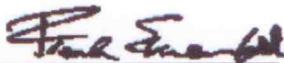
Lab No.:	5735570	Description / Location:	Off-White Texture	
Client No.:	1-3			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
	<small><i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i></small>		

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at $\pm 0.25\%$ by volume is possible with this method. (PC) indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Approved By: 

Date: 9/15/2015

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735571	Description / Location:	Off-White Texture	
Client No.:	1-4			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735571	Description / Location:	White Paint	
Client No.:	1-4			Layer No.: 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735572	Description / Location:	Off-White Texture	
Client No.:	1-5			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Analysis Performed By: E. Smith

Date: 9/15/2015

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		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735573	Description / Location:	Off-White Texture	
Client No.:	1-6			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735573	Description / Location:	White Paint	
Client No.:	1-6			Layer No.: 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735574	Description / Location:	Off-White Texture	
Client No.:	1-7			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735575	Description / Location:	Off-White Plaster	
Client No.:	2-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

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		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735576	Description / Location:	Off-White Plaster	
Client No.:	2-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735577	Description / Location:	Off-White Plaster	
Client No.:	2-3			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735578	Description / Location:	Off-White Plaster	
Client No.:	2-4			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735579	Description / Location:	Off-White Plaster	
Client No.:	2-5			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at $\pm 0.25\%$ by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735580	Description / Location:	Off-White Plaster	
Client No.:	2-6			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735581	Description / Location:	Off-White Plaster	
Client No.:	2-7			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735582	Description / Location:	Tan Plaster	
Client No.:	3-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	99

Lab No.:	5735583	Description / Location:	Tan Plaster	
Client No.:	3-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	99
		Trace	Hair	

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
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		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735584	Description / Location:	Tan Plaster	
Client No.:	3-3			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	98
		1	Hair	

Lab No.:	5735585	Description / Location:	Tan Plaster	
Client No.:	3-4			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	99
		Trace	Hair	

Lab No.:	5735586	Description / Location:	Tan Plaster	
Client No.:	3-5			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	98
		1	Hair	

Lab No.:	5735587	Description / Location:	Tan Plaster	
Client No.:	3-6			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	98
		1	Hair	

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**
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		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735588	Description / Location:	Tan Plaster	
Client No.:	3-7			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	1	Cellulose	98
		1	Hair	

Lab No.:	5735589	Description / Location:	Lt. Tan Floor Tile	
Client No.:	4-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735590	Description / Location:	Lt. Tan Floor Tile	
Client No.:	4-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735591	Description / Location:	Dk. Tan Ceiling Tile	
Client No.:	5-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	99	Cellulose	1

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
	<i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i>		

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at $\leq 0.25\%$ by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735592	Description / Location:	Dk. Tan Ceiling Tile	
Client No.:	5-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.:	5735593	Description / Location:	Dk. Tan Ceiling Tile	
Client No.:	5-3			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	98	Cellulose	2

Lab No.:	5735594	Description / Location:	Lt. Tan Floor Tile	
Client No.:	6-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735595	Description / Location:	Lt. Tan Floor Tile	
Client No.:	6-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.*

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at ~0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735596	Description / Location:	Lt. Tan Floor Tile	
Client No.:	7-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735597	Description / Location:	Lt. Tan Floor Tile	
Client No.:	7-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735598	Description / Location:	White Texture	
Client No.:	8-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735599	Description / Location:	White Texture	
Client No.:	8-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
	<i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i>		

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735600	Description / Location:	White Texture	
Client No.:	8-3			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735601	Description / Location:	Grey Insulation	
Client No.:	9-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
45	Chrysotile	35	Cellulose	20

Lab No.:	5735602	Description / Location:	White Insulation	
Client No.:	10-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
80	Chrysotile	3	Cellulose	17

Lab No.:	5735603	Description / Location:	Lt. Tan Glazing	
Client No.:	11-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
	<i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i>		

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at $\leq 0.25\%$ by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735604	Description / Location:	Lt. Tan Glazing	
Client No.:	11-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735605	Description / Location:	Lt. Tan Sheetrock	
Client No.:	12-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Cellulose	85

Lab No.:	5735606	Description / Location:	Lt. Tan Sheetrock	
Client No.:	12-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	10	Cellulose	90

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
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Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy. (ELAP 198.1 where applicable)

Comments: Quantification at $\leq 0.25\%$ by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/15/2015
		Report No.:	373745
		Project:	2044 Victoria Ave
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5735607	Description / Location:	Black Shingle	
Client No.:	13-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	20	Fibrous Glass	80

Lab No.:	5735607	Description / Location:	Black Tar	
Client No.:	13-1			Layer No.: 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5735608	Description / Location:	Black Shingle	
Client No.:	13-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	15	Fibrous Glass	85

Lab No.:	5735608	Description / Location:	Black Tar	
Client No.:	13-2			Layer No.: 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Accreditations:	NIST-NVLAP No. 101165-0	NY-DOH No. 11021	AIHA-LAP, LLC No. 100188
	<i>This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government This report shall not be reproduced except in full, without written approval of the laboratory.</i>		

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy, (ELAP 198.1 where applicable)

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 9/15/2015

Chain of Custody

-Bulk Asbestos -

<u>Contact Information</u>	
Client Company: <u>Sierra</u>	Project Number: <u>MCLB.001</u>
Office Address: <u>1041 Straight St.</u>	Project Name: <u>2044 Victoria Ave</u>
City, State, Zip: <u>Cincinnati OH 45214</u>	Primary Contact: <u>T. Taylor</u>
Fax Number: _____	Office Phone: _____
Email Address: <u>tt.sierra@hsc.net</u>	Cell Phone: _____

<u>PLM Instructions:</u>	
<input checked="" type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002	
<input type="checkbox"/> PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010	
<input type="checkbox"/> TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009	
<input type="checkbox"/> PLM: Point Counting	<input checked="" type="checkbox"/> PLM: Analyze Until Positive (Positive Stop)
<input type="checkbox"/> PC: via ELAP 198.1	<input type="checkbox"/> AUP: by Homogenous Area as Noted
<input type="checkbox"/> PC: 400 Points	<input type="checkbox"/> AUP: by Material Type as Noted
<input type="checkbox"/> PC: 800 Points *	<input type="checkbox"/> PLM: NOB via 198.6
<input type="checkbox"/> PC: 1600 Points *	<input type="checkbox"/> PLM: Friable via EPA 600 2.3
<input type="checkbox"/> PLM: Instructions for Multi-Layered Samples	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 *
<input type="checkbox"/> Analyze and Report All Separable Layers per EPA 600	<input type="checkbox"/> If <1% by PLM, Hold for Instructions
<input type="checkbox"/> Report Composite for Drywall Systems per NESHAP	<input type="checkbox"/> PLM: Non-Building Material *** (Dust, Wipe, Tape)
<input type="checkbox"/> Report All Layers and Composite Where Applicable	<input type="checkbox"/> Soil or Vermiculite Analysis
<input type="checkbox"/> Only Analyze and Report Specifically Noted Layer	<input type="checkbox"/> CARB 435
<u>Special Instructions:</u>	

* Additional charge and turnaround may be required ** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

<u>Turnaround Time</u>	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input type="checkbox"/> Email <input type="checkbox"/> Fax
<input type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	41
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

<u>Chain of Custody</u>			
Relinquished (Name/Organization): <u>Sierra</u>	Date: <u>9-8-15</u>	Time: _____	RECEIVED SEP 10 2015 TL - By _____
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: <u>9/10/15</u>	Time: _____	
Analysis(Name(s) / iATL): <u>IS Smith</u>	Date: <u>9/15/2015</u>	Time: _____	
QA/QC Review (Name / iATL): _____	Date: <u>9-15-15</u>	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	

REC 9-10

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () E-mail: bsierra@luse.net
 Project Name / Testing Address: MELB, 001-2044 Victoria Ave. City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times : *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*
 1 - Day _____ 2 - Day 2 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			PLM	PLM/PC (cont 100)	PLM & Pooled	TEM (air/d) (bulk)	TEM/BERA (air)	Time On	Time Off	Flow Rate (L/min)	Total Time (mins)		Volume (Total Liters)	
1	1-1	9-8-15	-	-	-	-	-	-	5735568	5735568				Sk at 1 ^o position
2	1-2		-	-	-	-	-	-	5735569	5735569				
3	1-3		-	-	-	-	-	-	5735570	5735570				
4	1-4		-	-	-	-	-	-	5735571	5735571				
5	1-5		-	-	-	-	-	-	5735572	5735572				
6	1-6		-	-	-	-	-	-	5735573	5735573				
7	1-7		-	-	-	-	-	-	5735574	5735574				
8	2-1		-	-	-	-	-	-	5735575	5735575				Sk at 1 ^o position
9	2-2		-	-	-	-	-	-	5735576	5735576				
10	2-3		-	-	-	-	-	-	5735577	5735577				

Released by: T. Taylor Signature: [Signature] Date/Time: _____
 Received by: _____ Signature: _____ Date/Time: _____

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () E-mail: tsierra@fuse.net
 Project Name / Testing Address: MCLB, 001- City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times: *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*
 1 - Day _____ 2 - Day 2 3 - Day _____
 Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			PM	PM (Prior Cont. 40)	PM (Prior Cont. 100)	PM (Prior Cont. 1000)	PM (Prior Cont. 10000)	PM (Prior Cont. 100000)	Flow Rate (L/min)	Total Time (minutes)	Volume (Total Liters)			
1	2-4	9-8-15	-	-	-	-	-	-	-	-	-	-	-	-
2	2-5	↓	-	-	-	-	-	-	-	-	-	-	-	-
3	2-6		-	-	-	-	-	-	-	-	-	-	-	-
4	2-7		-	-	-	-	-	-	-	-	-	-	-	-
5	3-1		-	-	-	-	-	-	-	-	-	-	-	-
6	3-2		-	-	-	-	-	-	-	-	-	-	-	-
7	3-3		-	-	-	-	-	-	-	-	-	-	-	-
8	3-4		-	-	-	-	-	-	-	-	-	-	-	-
9	3-5		-	-	-	-	-	-	-	-	-	-	-	-
10	3-6		↓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

5735578
5735579
5735580
5735581
5735582
5735583
5735584
5735585
5735586
5735587

Time On Time Off

Signature: T. Taylor Date/Time: _____
 Signature: [Signature] Date/Time: _____

Stop at 1st position

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () E-mail: tsierra@fuse.net
 Project Name / Testing Address: MCLB, 001- City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times : 1 - Day 2 - Day 3 - Day Same Day (Must Call Ahead) Weekend (Must Call Ahead)

If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			Volume (Total Liters)	COMMENTS	
			PLM (Conf 40)	PLM (Conf 100)	PLM N Powder	PCM	TEM (Confid) (Rho)	TEM (AFR) (C/F)	Time On	Time Off	Flow Rate (l/min)			Total Time (min)
1	3-7	9-8-15	-	-	-	-	-	-	5735588					Skp at 1 st position
2	4-7	↓	-	-	-	-	-	-	5735589					Skp at 1 st position
3	4-2		-	-	-	-	-	-	5735590					Skp at 1 st position
4	5-1		-	-	-	-	-	-	5735591					Skp at 1 st position
5	5-2		-	-	-	-	-	-	5735592					Skp at 1 st position
6	5-3		-	-	-	-	-	-	5735593					Skp at 1 st position
7	6-1		-	-	-	-	-	-	5735594					Skp at 1 st position
8	6-2		-	-	-	-	-	-	5735595					Skp at 1 st position
9	7-1		-	-	-	-	-	-	5735596					Skp at 1 st position
10	7-2		↓	-	-	-	-	-	5735597					Skp at 1 st position

Released by: T. Taylor Signature: [Signature] Date/Time: _____
 Received by: _____ Signature: _____ Date/Time: _____

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () _____ E-mail: tsierra@fuse.net
 Project Name / Testing Address: MCLB, 001- City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number _____

Turn Around Times: *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*
 1 - Day _____ 2 - Day 2 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			Volume (Total Liters)	COMMENTS	
			PM 1 (over 40)	PM 1 (over 100)	PM 2 (over 100)	PM 3 (over 100)	PM 4 (over 100)	TEM (threshold 100)	TEM (over 100)	Flow Rate (l/min)	Total Time (min)			
1	8-1	9-8-15	-	-	-	-	-	-	-	-	5735598			Shy at 1' position
2	8-2		-	-	-	-	-	-	-	-	5735599			60k ft in position
3	8-7		-	-	-	-	-	-	-	-	5735600			
4	9-1		-	-	-	-	-	-	-	-	5735601			Shy at 1' position
5	10-1		-	-	-	-	-	-	-	-	5735602			
6	11-1		-	-	-	-	-	-	-	-	5735603			Shy at 1' position
7	11-2		-	-	-	-	-	-	-	-	5735604			
8	12-1		-	-	-	-	-	-	-	-	5735605			Shy at 1' position
9	12-2		-	-	-	-	-	-	-	-	5735606			
10	13-1	✓	-	-	-	-	-	-	-	-	5735607			Shy at 1' position

Released by: T. Taylor Signature: [Signature]
 Received by: _____ Signature: _____
 Date/Time: _____ Date/Time: _____

Asbestos Chain-of-Custody

~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: () _____ E-mail: tsierra@fuse.net

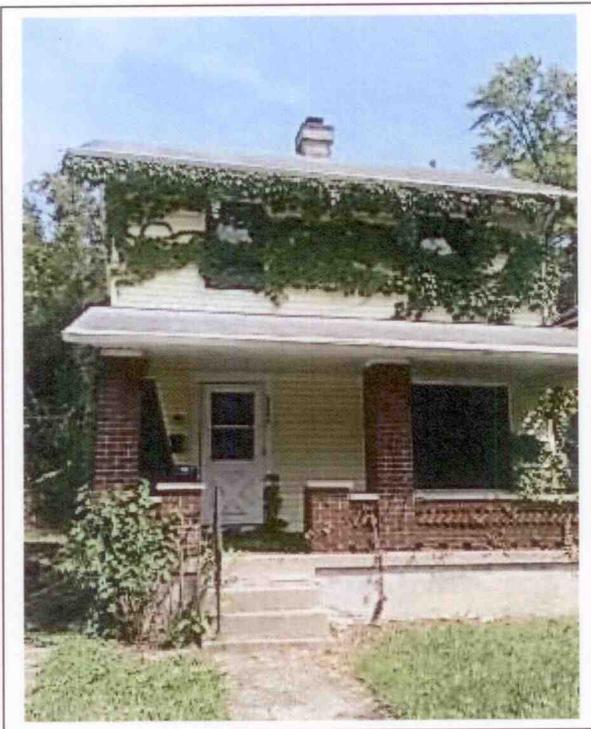
Project Name / Testing Address: MCLB, 001- City/State (Required): _____

Collected by: Todd Taylor Purchase Order Number _____
 Turn Around Times: 2 - Day 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

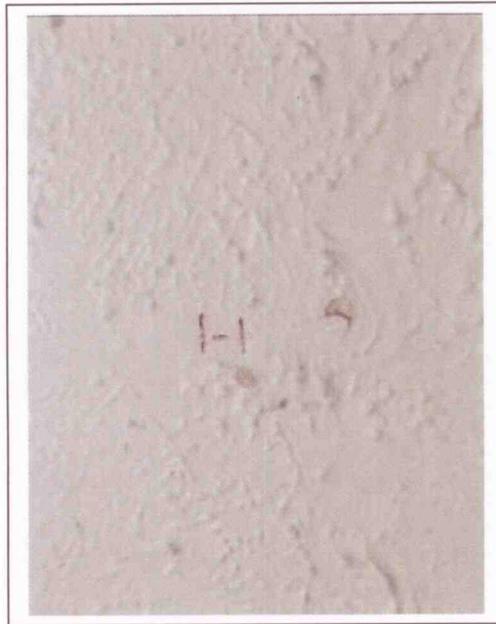
Turn Around Times: If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			PM (Count 40)	PM (Count 100)	PM & Protocol	RM	TEM (Method 846)	TEM/ASPCA (AP)	Time On	Time Off	Flow Rate (L / min)		Total Time (gross)	Volume (Total Liters)
1	13-2	9-8-15	PM									573	5608	↓
2														
3														
4														
5														
6														
7														
8														
9														
10														

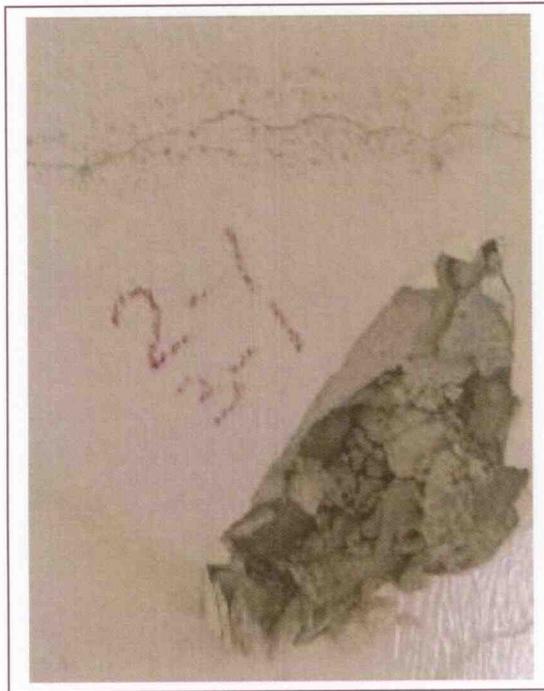
Released By: T. Taylor Signature: [Signature] Date/Time: _____
 Received By: _____ Signature: _____ Date/Time: _____



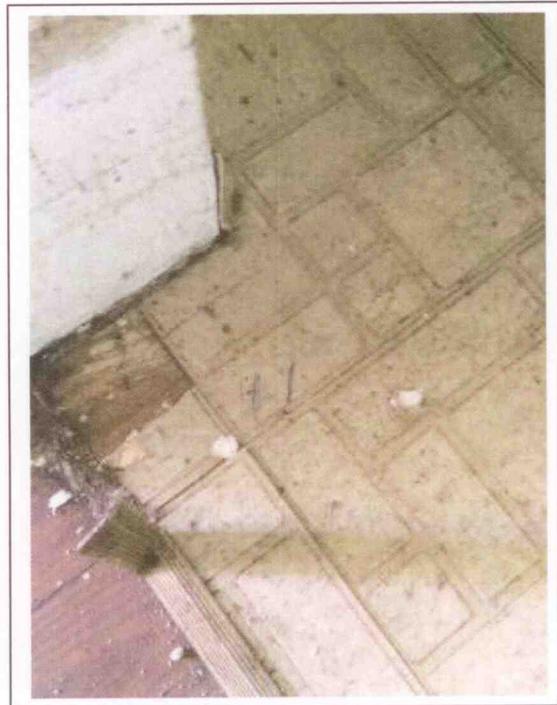
2044 Victoria Avenue, Dayton, Ohio 45406



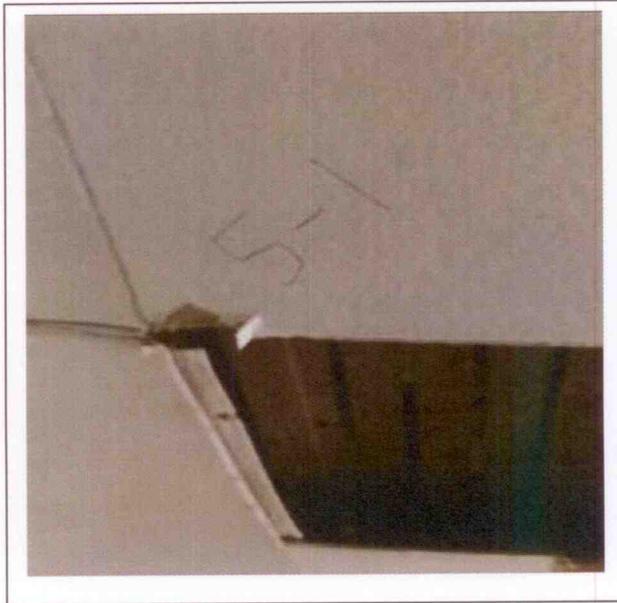
HA #1 – Textured wall and ceiling



HA #2 & #3 Hard wall and ceiling plaster



HA #4 – 12"x2" Tan sticky back floor tile



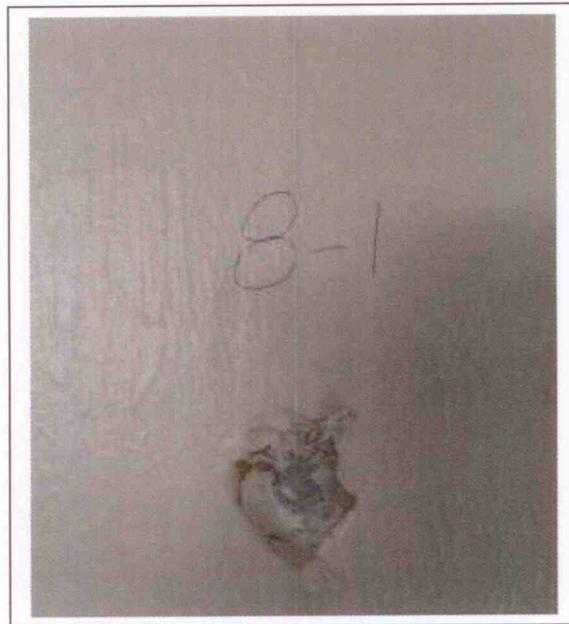
HA #5 – 12” White ceiling tile



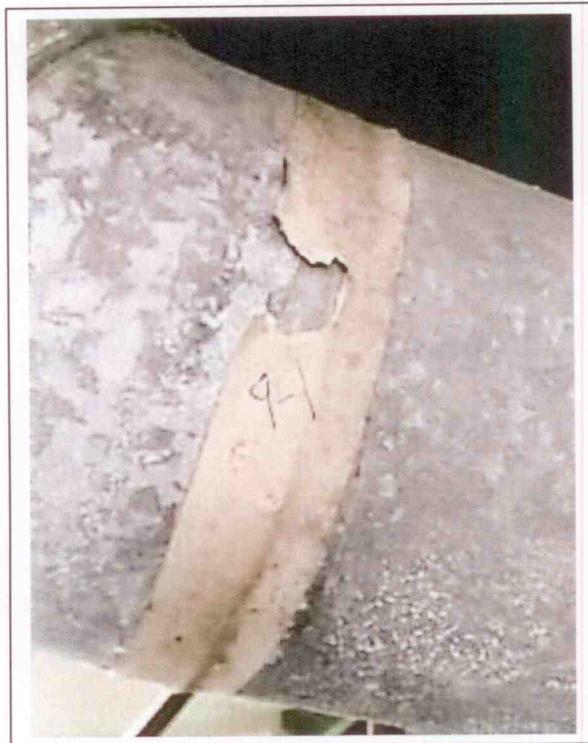
HA #6 – 12”x12” Flower pattern sticky back floor tile



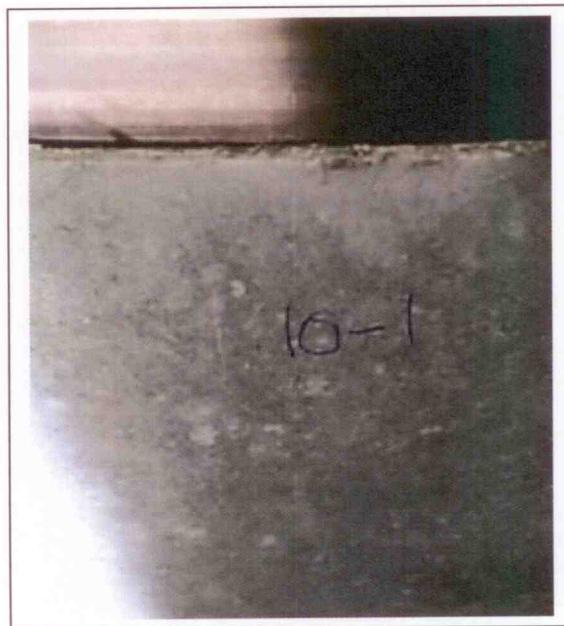
HA #7 – Tan floor tile under 12” sticky back floor tile



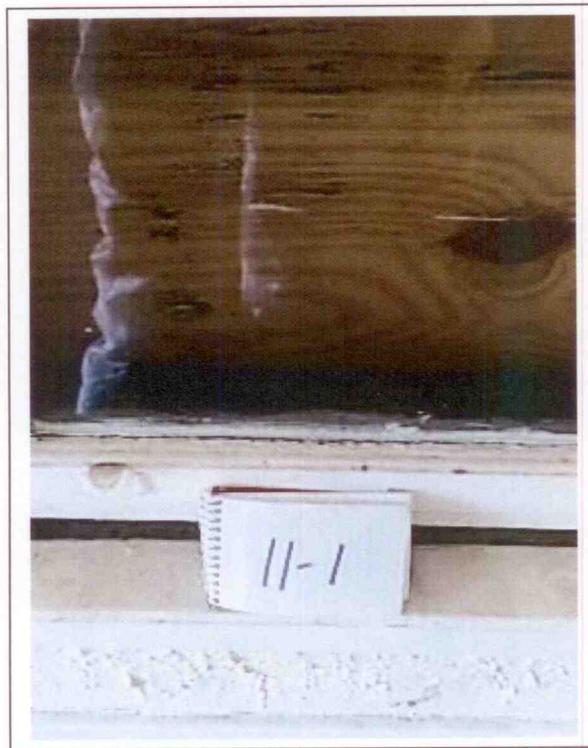
HA #8 – Textured ceiling



HA #9 – Duct insulation



HA #10 – Heat shield



HA #11 – Window glaze



Ha #12 – Drywall, patch



HA #13 – Black and white asphalt shingles



OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543

www.odh.ohio.gov

John R. Kasich/Governor

Richard Hodges/Director of Health

May 12, 2015

Todd E Taylor
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES32139
Expiration Date: 05/19/2016

Dear Todd E Taylor:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief
Bureau of Licensure Operations
Office of Health Assurance and Licensing

State of Ohio
Department of Health
Asbestos Program

Asbestos Hazard Evaluation Specialist



Todd E Taylor
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

DOB: 07/23/1967 Certification Number **ES32139** Expiration Date **05/19/2016**

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code Certification Card is not valid if altered