



SIERRA ENVIRONMENTAL GROUP, INC.

September 22, 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 Residences
1902-1904 Auburn Avenue
Dayton, Ohio 45406
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 11, 2015, Mr. Chuck Callahan and Mr. Todd Taylor (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialists #ES31960, #ES32139 respectively) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residences located at 1902-1904 Auburn Avenue in Dayton, Ohio. The purpose of this visit was to conduct a comprehensive asbestos inspection of these specified residences 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, window glaze and duct insulation. Two (2) asbestos-containing materials were identified within the residences 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 \$51,130.00. 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 residences located at 1902-1904 Auburn Avenue, Dayton, Ohio.					
Window glaze (Miscellaneous)	Exterior	1	1-1	None Detected	Friable
Window glaze (Miscellaneous)	Exterior	1	1-2	None Detected	Friable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen	2	2-1	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen	2	2-2	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Dining room	2	2-3	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, Unit 1904	2	2-4	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, Unit 1904	2	2-5	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Hallway 2nd floor, Unit 1904	2	2-6	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Hallway 2nd floor, Unit 1904	2	2-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen	3	3-1	*1.6% Chrysotile	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen	3	3-2	Stopped Analysis	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Dining room	3	3-3	Stopped Analysis	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, Unit 1904	3	3-4	Stopped Analysis	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, Unit 1904	3	3-5	Stopped Analysis	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Hallway 2nd floor, Unit 1904	3	3-6	Stopped Analysis	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Hallway 2nd floor, Unit 1904	3	3-7	Stopped Analysis	Nonfriable
Tan streak floor tile (Miscellaneous)	Kitchen, Unit 1902	4	4-1	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
Tan streak floor tile (Miscellaneous)	Kitchen, Unit 1904	4	4-2	None Detected	Nonfriable
Drywall (Miscellaneous)	Kitchen, Unit 1902	5	5-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Bathroom 2nd floor, Unit 1902	5	5-2	None Detected	Nonfriable
Joint compound (Miscellaneous)	Kitchen, Unit 1902	6	6-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Bathroom 2nd floor, Unit 1902	6	6-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Dining room	7	7-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Living room	7	7-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Living room	7	7-3	None Detected	Nonfriable
Duct insulation (Thermal System Insulation)	Bedroom #2, 2nd floor Unit 1902	8	8-1	60% Chrysotile	Friable
Textured ceiling (Surfacing, <5,000 sf)	Bathroom 2nd floor, Unit 1902	9	9-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <5,000 sf)	Bedroom 1 2nd floor, Unit 1902	9	9-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <5,000 sf)	Hallway 1 2nd floor, Unit 1902	9	9-3	None Detected	Nonfriable
Textured ceiling (Surfacing, <5,000 sf)	Bedroom 2 2nd floor, Unit 1904	9	9-4	None Detected	Nonfriable
Textured ceiling (Surfacing, <5,000 sf)	Hallway 1 2nd floor, Unit 1904	9	9-5	None Detected	Nonfriable
12"x12" Brown floor tile (Miscellaneous)	Bathroom 2nd floor, Unit 1902	10	10-1	None Detected	Nonfriable
12"x12" Brown floor tile (Miscellaneous)	Bathroom 2nd floor, Unit 1902	10	10-2	None Detected	Nonfriable
Yellow mastic associated with 12" brown floor tile (Miscellaneous)	Bathroom 2nd floor, Unit 1902	11	11-1	None Detected	Nonfriable

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
Yellow mastic associated with 12" brown floor tile (Miscellaneous)	Bathroom 2nd floor, Unit 1902	11	11-2	None Detected	Nonfriable
Black asphalt roof shingles (Miscellaneous)	Exterior	12	12-1	None Detected	Nonfriable
Black asphalt roof shingles (Miscellaneous)	Exterior	12	12-2	None Detected	Nonfriable

*Quantified By PLM Point Count Method

TABLE 2 - ASBESTOS INVENTORY

Location	Type ACM	Material Description	Amt. of Material (approx.)
The following asbestos-containing materials are located in the vacant residences located at 1902-1904 Auburn Avenue, Dayton.			
Entire Unit 1902	RACM	Hard wall and ceiling plaster	3,865 sf
Basement, Unit 1902	RACM	Duct insulation	10 sf
Basement, Unit 1902	RACM	Duct insulation debris	15 sf
Basement to 2nd floor Unit 1902	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 sf
Entire Unit 1904	RACM	Hard wall and ceiling plaster	3,865 sf
Basement, Unit 1904	RACM	Duct insulation	10 sf
Basement, Unit 1904	RACM	Duct insulation debris	10 sf
Basement to 2nd floor Unit 1904	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 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 residences located at 1902-1904 Auburn Avenue, Dayton.			
Entire unit 1902	RACM	Hard wall and ceiling plaster	\$23,190.00
Basement, 1902 side	RACM	Duct insulation	\$250.00
Basement, 1902 side	RACM	Duct insulation debris	\$250.00
Basement to the 2nd floor 1902 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00
Entire unit 1904	RACM	Hard wall and ceiling plaster	\$23,190.00
Basement, 1904 side	RACM	Duct insulation	\$250.00
Basement, 1904 side	RACM	Duct insulation debris	\$250.00
Basement to the 2nd floor 1904 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00

Table 3-1

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736757	Description / Location: White Glazing			
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.: 5736758	Description / Location: White Glazing			
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.: 5736759	Description / Location: 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

Lab No.: 5736759	Description / Location: White Joint Compound			Layer No.: 2
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

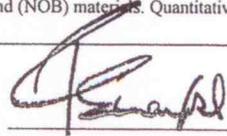
Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

*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: T. Lowe

Approved By: 

Date: 9/16/2015

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736760	Description / Location: 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.: 5736761	Description / Location: 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.: 5736762	Description / Location: 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.: 5736763	Description / Location: 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

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Analysis Performed By: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736764		Description / Location: 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.: 5736764		Description / Location: White Joint Compound		Layer No.: 2
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.: 5736765		Description / Location: 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.: 5736765		Description / Location: White Joint Compound		Layer No.: 2
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

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

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Analysis Performed By: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736766	Description / Location: Brown 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>
PC 1.6	Chrysotile	1	Hair	PC 97.4

Lab No.: 5736767	Description / Location: Sample Not Analyzed			
Client No.: 3-2				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5736768	Description / Location: Sample Not Analyzed			
Client No.: 3-3				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5736769	Description / Location: Sample Not Analyzed			
Client No.: 3-4				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

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

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Analysis Performed By: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736770 **Description / Location:** Sample Not Analyzed
Client No.: 3-5

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5736771 **Description / Location:** Sample Not Analyzed
Client No.: 3-6

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5736772 **Description / Location:** Sample Not Analyzed
Client No.: 3-7

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Analyzed		Sample Not Analyzed	

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

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Analysis Performed By: T. Lowe

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CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736773		Description / Location: Tan/Black Vinyl Sheet Flooring		
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.: 5736773		Description / Location: Clear Mastic		Layer No.: 2
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.: 5736773		Description / Location: Off-White Leveling Compound		Layer No.: 3
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

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)

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1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736774		Description / Location: Tan/Black Vinyl Sheet Flooring		
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.: 5736774		Description / Location: Clear Mastic		Layer No.: 2
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.: 5736775		Description / Location: White Sheetrock		
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	5	Cellulose	95

Lab No.: 5736776		Description / Location: White Sheetrock		
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	5	Cellulose	95

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

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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: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736777	Description / Location: White Joint Compound			
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.: 5736778	Description / Location: White Joint Compound			
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

Lab No.: 5736779	Description / Location: White Texture			
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.: 5736780	Description / Location: White Texture			
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

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: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736781	Description / Location: White Texture			
Client No.: 7-3				
<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.: 5736782	Description / Location: White Fibrous			
Client No.: 8-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
60	Chrysotile	20	Cellulose	20

Lab No.: 5736783	Description / Location: White Texture			
Client No.: 9-1				
<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.: 5736784	Description / Location: White Texture			
Client No.: 9-2				
<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

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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: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736785	Description / Location: White Texture			
Client No.: 9-3				
<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.: 5736786	Description / Location: White Texture			
Client No.: 9-4				
<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.: 5736787	Description / Location: White Texture			
Client No.: 9-5				
<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

Lab No.: 5736788	Description / Location: White Floor Tile			
Client No.: 10-1				
<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: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736789	Description / Location: White Floor Tile			
Client No.: 10-2				
<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.: 5736790	Description / Location: Yellow Mastic			
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

Lab No.: 5736790	Description / Location: White Leveling Compound			Layer No.: 2
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**

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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: T. Lowe

Date: 9/16/2015

CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
1041 Straight Street
Cincinnati OH 45214

Report Date: 9/16/2015
Report No.: 373965
Project: 1902 Auburn
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736791	Description / Location: Yellow Mastic		
Client No.: 11-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			100

Lab No.: 5736791	Description / Location: White Leveling Compound			Layer No.: 2
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.: 5736792	Description / Location: Black Shingle		
Client No.: 12-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	20	Fibrous Glass
			<u>% Non-Fibrous Material</u>
			80

Lab No.: 5736793	Description / Location: Black Shingle		
Client No.: 12-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	20	Fibrous Glass
			<u>% Non-Fibrous Material</u>
			80

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

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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: T. Lowe

Date: 9/16/2015

Chain of Custody

-Bulk Asbestos -

Contact Information	
Client Company: <u>Sierra</u>	Project Number: <u>MCLB.001</u>
Office Address: <u>1041 Straight St.</u>	Project Name: <u>1902 Auburn</u>
City, State, Zip: <u>Cinci, OH 45214</u>	Primary Contact: <u>T. Taylor</u>
Fax Number: _____	Office Phone: _____
Email Address: <u>tt@sierra-hx.net</u>	Cell Phone: _____

PLM Instructions:

- PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

E-MAILED

- PLM: Point Counting
 - PC: via ELAP 198.1
 - PC: 400 Points
 - PC: 800 Points *
 - PC: 1600 Points *
- PLM: Instructions for Multi-Layered Samples
 - Analyze and Report All Separable Layers per EPA 600
 - Report Composite for Drywall Systems per NESHAP
 - Report All Layers and Composite Where Applicable
 - Only Analyze and Report Specifically Noted Layer
- PLM: Analyze Until Positive (Positive Stop)
 - AUP: by Homogenous Area as Noted
 - AUP: by Material Type as Noted
 - PLM: NOB via 198.6
 - PLM: Friable via EPA 600 2.3
 - If <1% by PLM, to TEM via 198.4 *
 - If <1% by PLM, Hold for Instructions
- PLM: Non-Building Material*** (Dust, Wipe, Tape)
 - Soil or Vermiculite Analysis
 - CARB 435

Special Instructions: _____

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

Turnaround Time

Preliminary Results Requested Date: _____

Verbal Email Fax

37

Specific date / time

10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization): <u>Mc DL</u>	Date: <u>9-11-15</u>	Time: _____	RECEIVED
Received (Name / iATL): _____	Date: _____	Time: _____	D
Sample Login (Name / iATL): _____	Date: <u>9/14/15</u>	Time: _____	
Analysis(Name(s) / iATL): <u>Sierra</u>	Date: <u>9-16-15</u>	Time: _____	
QA/QC Review (Name / iATL): <u>Mc</u>	Date: <u>9-17-15</u>	Time: <u>SEP 14 2015</u>	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

iATL - By _____

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.001-1902 Auburn 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	PLM Point Count 400	PLM M Protocol	PCM	TEM (Inchd) (Balls)	TEM (MERA) (Air)	Time On	Time Off	Flow Rate (L/min)		
1	1-1	9-11-15	-									5736757	Sp at 1' position
2	1-2		-									5736758	Sp at 1' position
3	2-1		-									5736759	Sp at 1' position
4	2-2		-									5736760	
5	2-3		-									5736761	
6	2-4		-									5736762	
7	2-5		-									5736763	
8	2-6		-									5736764	
9	2-7		-									5736765	
10	3-1		-									5736766	Sp at 1' position

Released by: T. Taylor 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 : 2 - Day 3 - Day _____ 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			COMMENTS		
			PLM	PLM Count 400	PLM Count 1000	PLM % Protocol	PM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off		Flow Rate (L/min)	Total Time (min)
1	3-2	9-11-15	-									5736767		↓ Sh at ↑ position Sh at ↓ position
2	3-3		-									5736768		
3	3-4		-									5736769		
4	3-5		-									5736770		
5	3-6		-									5736771		
6	3-7		-									5736772		
7	4-1		-									5736773		
8	4-2		-									5736774		
9	5-1		-									5736775		
10	5-2		-									5736776		

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

~ For Lab Use Only ~

Asbestos Chain-of-Custody

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 _____ 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			COMMENTS
			PLM (Post Cont 40)	PLM (Post Cont 100)	PLM M Protocol	PCM	TEM (unfield) (Bak)	TEM (MIFRA) (Air)	Flow Rate (L/min)	Total Time (min)	Volume (Total Liters)	
1	6-1	9-11-15	-	-	-	-	-	-	5736777	5736777	Sty at 1 st position	
2	6-2		-	-	-	-	-	-	5736778	5736778	Sty at 1 st position	
3	7-1		-	-	-	-	-	-	5736779	5736779	Sty at 1 st position	
4	7-2		-	-	-	-	-	-	5736780	5736780		
5	7-3		-	-	-	-	-	-	5736781	5736781		
6	8-1		-	-	-	-	-	-	5736782	5736782		
7	9-1		-	-	-	-	-	-	5736783	5736783	Sty at 1 st position	
8	9-2		-	-	-	-	-	-	5736784	5736784		
9	9-3		-	-	-	-	-	-	5736785	5736785		
10	9-4		-	-	-	-	-	-	5736786	5736786		

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

Asbestos Chain-of-Custody

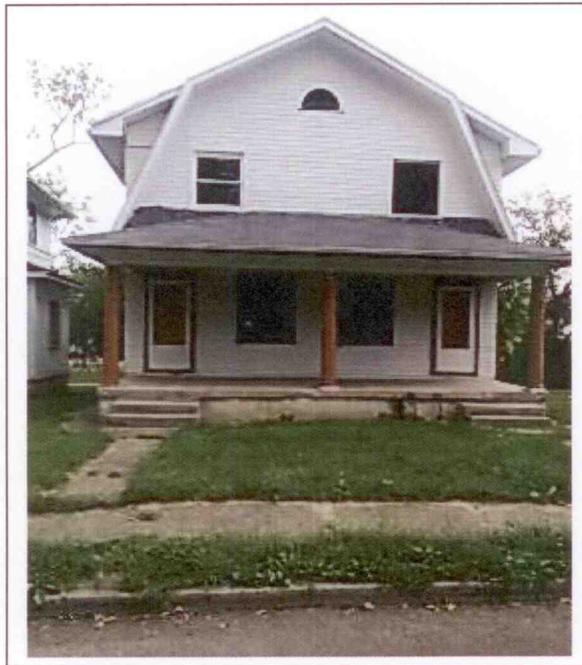
~ For Lab Use Only ~

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 : 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	PLM Point Count 400	PLM Point Count 1000	PLM N ₂ Protocol	TEM (Inchfd) (Balls)	TEM/HERA (Air)	Time On	Time Off	Flow Rate (L/min)		
1	9-5	9-11-15	-							5736787			Start ↑ positive
2	10-1	↓	-							5736788			Start ↑ positive
3	10-2		-							5736789			Start ↑ positive
4	11-1		-							5736790			Start ↑ positive
5	11-2		-							5736791			
6	12-1		-							5736792			
7	12-2		-							5736793			
8													
9													
10													

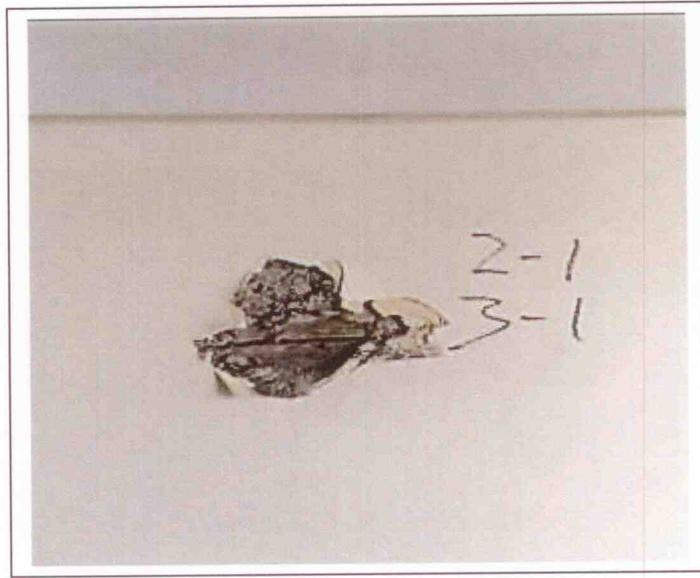
Released by: T. Taylor Signature: [Signature] Date/Time: _____
 Received by: _____ Signature: _____ Date/Time: _____



1902-1904 Auburn Avenue, Dayton, Ohio 45406



HA #1 – Window glaze



HA #2 & #3 – Hard wall and ceiling plaster



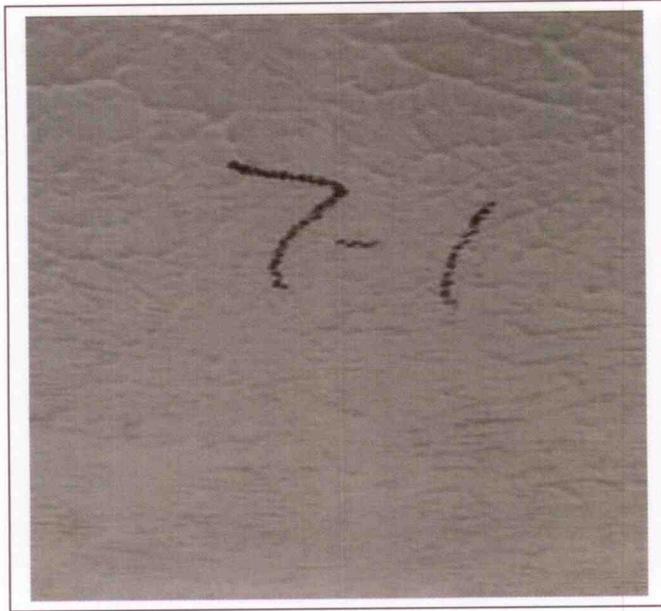
HA #4 – 12"x12" Tan sticky back floor tile



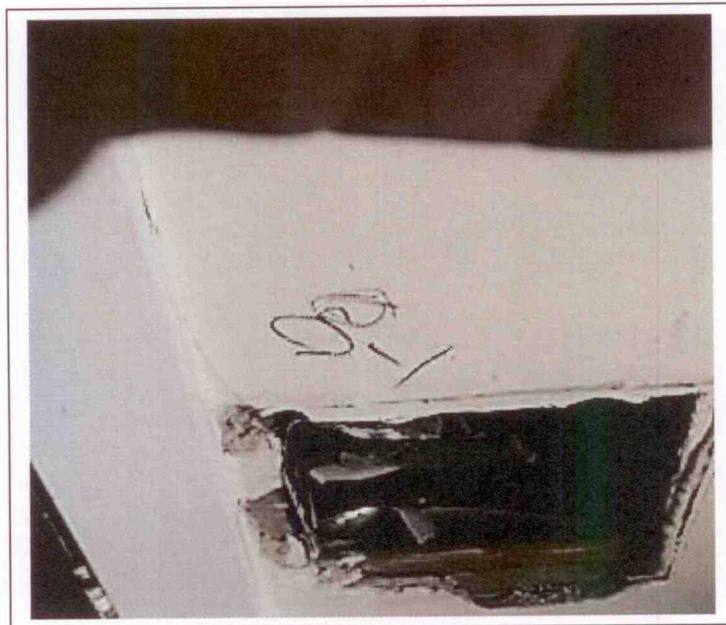
HA #5 - Drywall



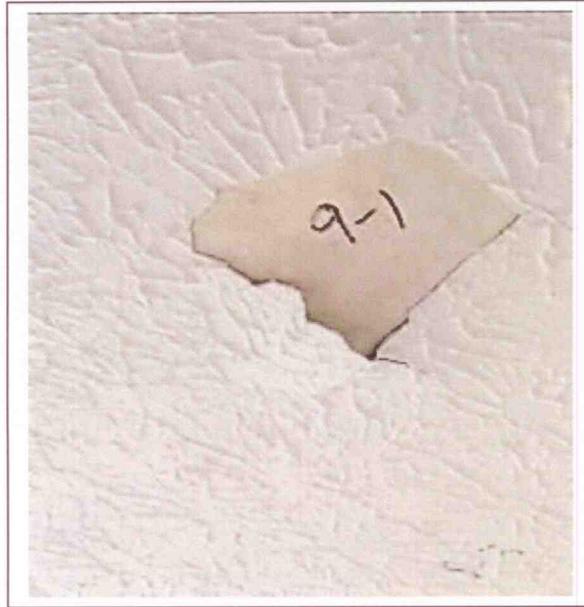
HA #6 – Joint compound



HA #7 – Textured ceiling



HA #8 – Duct insulation concealed behind hard wall plaster



HA v#9 – Textured ceiling



HA #10 & #11 – 12” Brown floor tile and yellow mastic



HA #12 – Black asphalt roof shingle



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

October 23, 2014

Charles F Callahan
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES31960
Expiration Date: 10/20/2015

Dear Charles F Callahan:

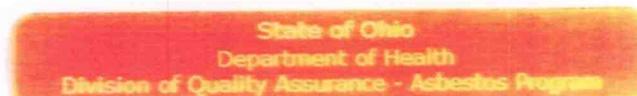
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

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 Charlene W. Valentine, Licensure Specialist, at 614-644-0226.

Sincerely,

David Holston, Chief
Environmental Abatement Section
Bureau of Information and Operational Support
Division of Quality Assurance



Asbestos Hazard Evaluation Specialist



Charles F Callahan
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

Certification Number **ES31960** Expiration Date **10/20/2015**

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3711-34 of the Ohio Administrative Code

Certification Card is not to be altered

OHIO DEPARTMENT OF HEALTH

614/466-3513
www.odh.ohio.gov

Richard Springer/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

Certification Number	Expiration Date
ES32139	05/19/2016

DOB: 07/23/1967

This certification is issued pursuant to Chapter 3710 of the Ohio Administrative Code. Certification card is not valid if altered.

Asbestos Hazard Evaluation Specialist