



SIERRA ENVIRONMENTAL GROUP, INC.

September 24, 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
24 North Kilmer Street
Dayton, Ohio 45417
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 10, 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 residence located at 24 North Kilmer Street 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, blown-in insulation, tar paper, window glaze and duct insulation. Five (5) 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) and Category II asbestos-containing materials from this site prior to demolition would be \$13,675.00. 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 24 North Kilmer Street, Dayton, Ohio.					
9"x9" Red floor tile (Miscellaneous)	Entry	1	1-1	None Detected	Nonfriable
9"x9" Red floor tile (Miscellaneous)	Entry	1	1-2	None Detected	Nonfriable
9"x9" Tan floor tile (Miscellaneous)	Entry	2	2-1	None Detected	Nonfriable
9"x9" Tan floor tile (Miscellaneous)	Entry	2	2-2	None Detected	Nonfriable
Black tar layer associated with 9" red and tan floor tile (Miscellaneous)	Entry	3	3-1	None Detected	Nonfriable
Black tar layer associated with 9" red and tan floor tile (Miscellaneous)	Entry	3	3-2	None Detected	Nonfriable
Window glaze (Miscellaneous)	Entry	4	4-1	*1.4% Chrysotile	Friable
Window glaze (Miscellaneous)	Living room	4	4-2	Stopped Analysis	Friable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Living room	5	5-1	**None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Dining room	5	5-2	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Dining room	5	5-3	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen	5	5-4	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Bedroom #1, 1st floor	5	5-5	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Bedroom #1, 1st floor	5	5-6	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Hallway, 2nd floor	5	5-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Living room	6	6-1	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
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Dining room	6	6-2	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Dining room	6	6-3	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen	6	6-4	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Bedroom #1, 1st floor	6	6-5	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Bedroom #1, 1st floor	6	6-6	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Hallway, 2nd floor	6	6-7	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)	Dining room	7	7-3	None Detected	Nonfriable
Drywall (Miscellaneous)	Kitchen	8	8-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Kitchen	8	8-2	None Detected	Nonfriable
Joint compound (Miscellaneous)	Kitchen	9	9-1	*1.2% Chrysotile	Nonfriable
Joint compound (Miscellaneous)	Kitchen	9	9-2	Stopped Analysis	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen	10	10-1	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen	10	10-2	None Detected	Nonfriable
Cream linoleum (Miscellaneous)	Bathroom, 1st floor	11	11-1	None Detected	Nonfriable
Cream linoleum (Miscellaneous)	Bathroom, 1st floor	11	11-2	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
Textured ceiling (Surfacing, <1,000 sf)	Bathroom, 1st floor	12	12-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Bathroom, 1st floor	12	12-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Bathroom, 1st floor	12	12-3	None Detected	Nonfriable
Drywall (Miscellaneous)	Bathroom, 1st floor	13	13-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Bathroom, 1st floor	13	13-2	None Detected	Nonfriable
Joint compound (Miscellaneous)	Bathroom, 1st floor	14	14-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Bathroom, 1st floor	14	14-2	None Detected	Nonfriable
Blown-in insulation (Miscellaneous)	Attic	15	15-1	None Detected	Friable
Blown-in insulation (Miscellaneous)	Attic	15	15-2	None Detected	Friable
Textured ceiling (Surfacing, <1,000 sf)	Bedroom #, 2nd floor	16	16-1	*1.1% Chrysotile	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Bedroom #, 2nd floor	16	16-2	*1.3% Chrysotile	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Bedroom #, 2nd floor	16	16-3	*1.6% Chrysotile	Nonfriable
12"x12" White sticky back floor tile (Miscellaneous)	Bathroom, 2nd floor	17	17-1	None Detected	Nonfriable
12"x12" White sticky back floor tile (Miscellaneous)	Bathroom, 2nd floor	17	17-2	None Detected	Nonfriable
Tar paper (Miscellaneous)	Hallway, 2nd floor	18	18-1	None Detected	Nonfriable
Tar paper (Miscellaneous)	Hallway, 2nd floor	18	18-2	None Detected	Nonfriable
Duct insulation (Thermal System Insulation)	Bedroom #2, 2nd floor	19	19-1	80% Chrysotile	Friable

Table 1-3

TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
Drywall (Miscellaneous)	Basement	20	20-1	*Trace chrysotile	Nonfriable
Drywall (Miscellaneous)	Basement	20	20-2	*Trace chrysotile	Nonfriable
Joint compound (Miscellaneous)	Basement	21	21-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Basement	21	21-2	None Detected	Nonfriable

*Quantified By PLM Point Count Method

**1.2% Chrysotile present in green textured ceiling material

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 24 North Kilmer Street, Dayton.			
Exterior	II	Window glaze	18 windows
Kitchen	II	Drywall and associated joint compound	250 sf
Bathroom, 1st floor	II	Drywall and associated joint compound	340 sf
Hallway, 2nd floor	RACM	Textured ceiling	90 sf
Bedroom 3	RACM	Textured ceiling	150 sf
Basement stairwell	II	Drywall and associated joint compound	50 sf
Basement	II	Drywall and associated joint compound	820 sf
Basement	RACM	Duct insulation	55 sf
Basement	RACM	Duct insulation debris	75 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 24 North Kilmer Street, Dayton, Ohio.			
Exterior	II	Window glaze	\$2,700.00
Kitchen	II	Drywall and associated joint compound	\$1,000.00
Bathroom, 1st floor	II	Drywall and associated joint compound	\$1,360.00
Hallway, 2nd floor	RACM	Textured ceiling	\$360.00
Bedroom 3, 2nd floor	RACM	Textured ceiling	\$600.00
Basement stairwell	II	Drywall and associated joint compound	\$250.00
Basement	II	Drywall and associated joint compound	\$3,280.00
Basement	RACM	Duct insulation	\$1,375.00
Basement	RACM	Duct insulation debris	\$1,500.00
Basement to 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,250.00

Table 3-1

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737357 **Description / Location:** Red/White Floor Tile
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.: 5737358 **Description / Location:** Red/White Floor Tile
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.: 5737359 **Description / Location:** Tan Floor Tile
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.: 5737360 **Description / Location:** Tan Floor Tile
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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

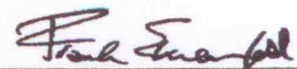
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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Approved By:



Date: 9/16/2015

Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS (Revised)

Client: Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date: 9/17/2015 Report No.: 373859 Project: 24 N. Kilmer Project No.: MCLB.001
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737361	Description / Location: Black/Brown Tar Paper/Mastic		
Client No.: 3-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	70	Cellulose
			<u>% Non-Fibrous Material</u>
			30
Lab No.: 5737362	Description / Location: Black/Brown Tar Paper/Mastic		
Client No.: 3-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	75	Cellulose
			<u>% Non-Fibrous Material</u>
			25
Lab No.: 5737363	Description / Location: White/Tan Glazing		
Client No.: 4-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
PC 1.4	Chrysotile	None Detected	None Detected
			<u>% Non-Fibrous Material</u>
			PC 98.6
Lab No.: 5737364	Description / Location: Sample Not Analyzed		
Client No.: 4-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
*	Sample Not Analyzed		Sample Not Analyzed
			<u>% Non-Fibrous Material</u>

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737365 **Description / Location:** Green Texture
Client No.: 5-1

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Tremolite	None Detected	None Detected	PC 98.8

Lab No.: 5737365 **Description / Location:** White Plaster **Layer No.:** 2
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	None Detected	None Detected	100

Lab No.: 5737366 **Description / Location:** White Plaster
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	None Detected	None Detected	100

Lab No.: 5737367 **Description / Location:** White Plaster
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	None Detected	None Detected	100

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737368	Description / Location: White Plaster			
Client No.: 5-4				
<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.: 5737369	Description / Location: White Plaster			
Client No.: 5-5				
<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.: 5737370	Description / Location: White Plaster			
Client No.: 5-6				
<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.: 5737371	Description / Location: White Plaster			
Client No.: 5-7				
<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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

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Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737372 **Description / Location:** Brown Plaster
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	1	Hair	99

Lab No.: 5737373 **Description / Location:** Brown Plaster
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	2	Hair	98

Lab No.: 5737374 **Description / Location:** Brown Plaster
Client No.: 6-3

<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	Hair	99

Lab No.: 5737375 **Description / Location:** Brown Plaster
Client No.: 6-4

<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	Hair	99

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737376 **Description / Location:** Brown Plaster
Client No.: 6-5

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	2	Hair	98

Lab No.: 5737377 **Description / Location:** Brown Plaster
Client No.: 6-6

<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	Hair	99

Lab No.: 5737378 **Description / Location:** Brown Plaster
Client No.: 6-7

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	3	Hair	97

Lab No.: 5737379 **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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737380 **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

Lab No.: 5737381 **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.: 5737382 **Description / Location:** White/Brown Sheetrock
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	10	Cellulose	90

Lab No.: 5737383 **Description / Location:** White/Brown Sheetrock
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	10	Cellulose	90

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737384	Description / Location: Tan Joint Compound			
Client No.: 9-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5737385	Description / Location: Sample Not Analyzed			
Client No.: 9-2				
<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.: 5737386	Description / Location: Tan/White/Grey 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

Lab No.: 5737386	Description / Location: Clear Mastic			Layer No.: 2
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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737387	Description / Location: Tan/White/Grey Floor Tile		
Client No.: 10-2			
<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.: 5737387	Description / Location: Clear Mastic		Layer No.: 2
Client No.: 10-2			
<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.: 5737388	Description / Location: Tan/Yellow Vinyl Sheet Flooring		
Client No.: 11-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	18	Cellulose
		2	Fibrous Glass
			<u>% Non-Fibrous Material</u> 80

Lab No.: 5737388	Description / Location: Yellow Mastic		Layer No.: 2
Client No.: 11-1			
<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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/17/2015
		Report No.:	373859
		Project:	24 N. Kilmer
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5737389	Description / Location:	Tan/Yellow Vinyl Sheet Flooring	
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	10	Cellulose	85
		5	Fibrous Glass	

Lab No.:	5737389	Description / Location:	Yellow Mastic	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.:	5737390	Description / Location:	White Texture	
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	None Detected	None Detected	100

Lab No.:	5737390	Description / Location:	White/Brown Sheetrock	Layer No.: 2
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	20	Cellulose	80

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737391	Description / Location: White Texture	
Client No.: 12-2		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		<u>Type</u>
		None Detected
		<u>% Non-Fibrous Material</u>
		100

Lab No.: 5737391	Description / Location: White/Brown Sheetrock	Layer No.: 2
Client No.: 12-2		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	20
		<u>Type</u>
		Cellulose
		<u>% Non-Fibrous Material</u>
		80

Lab No.: 5737392	Description / Location: White Texture	
Client No.: 12-3		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	None Detected
		<u>Type</u>
		None Detected
		<u>% Non-Fibrous Material</u>
		100

Lab No.: 5737392	Description / Location: White/Brown Sheetrock	Layer No.: 2
Client No.: 12-3		
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>
None Detected	None Detected	30
		<u>Type</u>
		Cellulose
		<u>% Non-Fibrous Material</u>
		70

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Analytical Method:

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737393 **Description / Location:** White Sheetrock
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	2	Cellulose	98

Lab No.: 5737394 **Description / Location:** White Sheetrock
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	2	Cellulose	98

Lab No.: 5737395 **Description / Location:** White Texture
Client No.: 14-1

<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.: 5737396 **Description / Location:** White Texture
Client No.: 14-2

<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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737397		Description / Location: Brown Insulation		
Client No.: 15-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5737398		Description / Location: Brown Insulation		
Client No.: 15-2				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	90	Cellulose	10

Lab No.: 5737399		Description / Location: White Texture		
Client No.: 16-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Amended COA. Result change from report dated 9/16/2015.

Lab No.: 5737400		Description / Location: White Texture		
Client No.: 16-2				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Amended COA. Result change from report dated 9/16/2015.

NIST-NVLAP No. 101165-0

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Analysis Performed By: D. Lenoir

Date: 9/17/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737401 **Description / Location:** White Texture
Client No.: 16-3

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Amended COA. Result change from report dated 9/16/2015.

Lab No.: 5737402 **Description / Location:** Grey/Black Floor Tile
Client No.: 17-1

<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.: 5737402 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: 17-1

<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

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737403	Description / Location: Black Floor Tile		
Client No.: 17-2			
<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.: 5737403	Description / Location: Yellow Mastic		Layer No.: 2
Client No.: 17-2			
<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.: 5737404	Description / Location: Black Tar Paper		
Client No.: 18-1			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	80	Cellulose
			<u>% Non-Fibrous Material</u>
			20

Lab No.: 5737405	Description / Location: Black Tar Paper		
Client No.: 18-2			
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>
None Detected	None Detected	80	Cellulose
			<u>% Non-Fibrous Material</u>
			20

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

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Analytical Method: EPA 600/R-93/116 By Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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1041 Straight Street
Cincinnati OH 45214

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737406 Description / Location: Grey/White Tape
Client No.: 19-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
80	Chrysotile	None Detected	None Detected	20

Lab No.: 5737407 Description / Location: White/Brown Sheetrock
Client No.: 20-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 5737407 Description / Location: Off-White Texture Layer No.: 2
Client No.: 20-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	1	Other	99

NIST-NVLAP No. 101165-0

NY-DOH No. 11021

AIHA-LAP, LLC No. 100188

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Analytical Method:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

CERTIFICATE OF ANALYSIS (Revised)

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

Report Date: 9/17/2015
Report No.: 373859
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737408 **Description / Location:** White/Brown Sheetrock
Client No.: 20-2

<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	Cellulose	85

Lab No.: 5737408 **Description / Location:** Off-White Texture **Layer No.:** 2
Client No.: 20-2

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
PC Trace	Chrysotile	1	Other	99

Lab No.: 5737409 **Description / Location:** White/Grey Texture
Client No.: 21-1

<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	Other	99

Lab No.: 5737410 **Description / Location:** White/Grey Texture
Client No.: 21-2

<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	Other	99

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:

EPA 600/R-93/116 By Polarized Light Microscopy

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Quantification at <0.25% by volume is possible with this method. (PC-Trace) represents this limit of quantitation. (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. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price

Date: 9/16/2015

Chain of Custody

-Bulk Asbestos-

Contact Information		Project Number: <u>MCLB.001</u>
Client Company: <u>Sicilia</u>	Project Name: <u>24 N. Fairview</u>	Primary Contact: <u>T. Taylor</u>
Office Address: <u>1041 Straight St.</u>	Office Phone: _____	Cell Phone: _____
City, State, Zip: <u>Clare, OH 45214</u>		
Fax Number: _____		
Email Address: <u>tt.sicilia@hsc.net</u>		

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

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

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***

54

Chain of Custody

Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>9-10-15</u>	Time: _____
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): _____	Date: <u>9/15/15</u>	Time: _____
Analysis(Name(s) / iATL): <u>CSF 9/16-15</u>	Date: _____	Time: _____
QA/QC Review (Name / iATL): <u>[Signature]</u>	Date: <u>9-16-15</u>	Time: _____
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____

Revised/Reviewed: [Signature] 9/17/15

E-MAILED
[Signature] 9/16

RECEIVED

SEP 11 2015

IATL - By [Signature]

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip: Cincinnati, OH 45214

Address: 1041 Straight Street

Company Name: Sierra Environmental Group, Inc.

E-mail: itsier@eg.juse.net

Phone (513) 542-5323

City/State (Required):

Project Name / Testing Address: MCLB, 001 24 N. Kilmer

Purchase Order Number

Collected by: Todd Taylor

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

Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS
			PLM1 (cont. air)	PLM2 (cont. air)	PLM10 (cont. air)	PLM10 (cont. air)	PLM10 (cont. air)	PLM10 (cont. air)	Flow Rate (l/min)	Local Time (min)	Volume (Total Liters)	
1	1-1	9-10-05	-	-	-	-	-	-	-	5737357		Sp at 1 st position
2	1-2		-	-	-	-	-	-	-	5737358		Sp at 1 st position
3	2-1		-	-	-	-	-	-	-	5737359		Sp at 1 st position
4	2-2		-	-	-	-	-	-	-	5737360		Sp at 1 st position
5	3-1		-	-	-	-	-	-	-	5737361		Sp at 1 st position
6	3-2		-	-	-	-	-	-	-	5737362		Sp at 1 st position
7	4-1		-	-	-	-	-	-	-	5737363		Sp at 1 st position
8	4-2		-	-	-	-	-	-	-	5737364		Sp at 1 st position
9	5-1		-	-	-	-	-	-	-	5737365		Sp at 1 st position
10	5-2		-	-	-	-	-	-	-	5737366		Sp at 1 st position

Date Time

Page

of

Pages

Printed

on

at

Time

of

the

year

2005

09/10/05

10:00 AM

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip: Cincinnati, OH 45214

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street

E-mail: tsierra@fuse.net

Home (513) 542-5323 Fax ()

City/State (Required):

Project Name / Testing Address:

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 _____ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS	
			PM	PM (cont. 100)	PM (cont. 100)	PM (cont. 100)	PM (cont. 100)	PM (cont. 100)	Time On	Time Off	Flow Rate (l/min)		Total Time (minutes)
1	S-3	9-16-05	-	-	-	-	-	-	-	-	-	5737367	
2	S-4		-	-	-	-	-	-	-	-	-	5737368	
3	S-5		-	-	-	-	-	-	-	-	-	5737369	
4	S-6		-	-	-	-	-	-	-	-	-	5737370	
5	S-7		-	-	-	-	-	-	-	-	-	5737371	
6	G-1		-	-	-	-	-	-	-	-	-	5737372	
7	G-2		-	-	-	-	-	-	-	-	-	5737373	
8	G-3		-	-	-	-	-	-	-	-	-	5737374	
9	G-4		-	-	-	-	-	-	-	-	-	5737375	
10	G-5		-	-	-	-	-	-	-	-	-	5737376	

↓
Stop at positive
↓

Page: _____
Total: _____

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: usier@sierraenv.com

Project Name / Testing Address: 1111 11th St 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 _____ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead) _____

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS
			PLM	PLM (cont. air)	PLM (cont. air)	PLM (cont. air)	PLM (cont. air)	PLM (cont. air)	Time On	Time Off	Flow Rate (L/min)	
1	10-2	9-10-15	-	-	-	-	-	-	-	-	5737387	Sh at 1' position
2	11-1	↓	-	-	-	-	-	-	-	-	5737388	Sh at 1' position
3	11-2		-	-	-	-	-	-	-	-	5737389	Sh at 1' position
4	12-1		-	-	-	-	-	-	-	-	5737390	Sh at 1' position
5	12-2		-	-	-	-	-	-	-	-	5737391	Sh at 1' position
6	12-3	↓	-	-	-	-	-	-	-	-	5737392	Sh at 1' position
7	13-1		-	-	-	-	-	-	-	-	5737393	Sh at 1' position
8	13-2		-	-	-	-	-	-	-	-	5737394	Sh at 1' position
9	14-1		-	-	-	-	-	-	-	-	5737395	Sh at 1' position
10	14-2		-	-	-	-	-	-	-	5737396	Sh at 1' position	

Number of Samples: _____ Date: _____
 Signature: _____

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip: Cincinnati, OH 45214

Company Name: Sierra Environmental Group, Inc. Address: 10411 Straight, Street

E-mail: tsigra@fuse.net

Fax ()

Phone: (513) 542-5323

City/State (Required):

Project Name / Testing Address:

Purchase Order Number

Collected by: Todd Taylor

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

Weekend (Must Call Ahead)

Same Day (Must Call Ahead)

1 - Day 2 - Day 3 - Day

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			PLA (cont. 100)	PLM (cont. 100)	PLM Process	PLM	PLM (cont. 100)	PLM (cont. 100)	Flow Rate (L/min)	Time Off	Time On		Total Time (min)	Volume (Total Liters)
1	15-1	9-10-05										5737397		Sk at 1' position
2	15-2											5737398		Sk at 1' position
3	16-1											5737400		Sk at 1' position
4	16-2											5737401		Sk at 1' position
5	16-3											5737402		Sk at 1' position
6	17-1											5737403		Sk at 1' position
7	17-2											5737404		Sk at 1' position
8	18-1											5737405		Sk at 1' position
9	18-2											5737406		Sk at 1' position
10	19-1											5737406		Sk at 1' position

Date Time

Signature

Printed Name

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip: Cincinnati, OH 45214

Address: 1041 Straight Street

City/State/Zip: Cincinnati, OH 45214

Company Name: Sierra Environmental Group, Inc.

Fax ()

E-mail: its@ratg.lise.net

Phone: (513) 542-5323

City/State (Required):

Project Name / Testing Address:

Purchase Order Number

Collected by: Todd Taylor

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

1 - Day _____ 2 - Day _____ 3 - Day _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			PM 1	PM 2	PM 3	PM 4	PM 5	PM 6	Flow Rate (L/min)	Time On	Time Off		Flow Rate (L/min)	Volume (Total Liters)
1	99001	9-16-05											5737407	SK at 1 position
2	20-1												5737408	SK at 1 position
3	20-2												5737409	SK at 1 position
4	21-1												5737410	
5	21-2													
6														
7														
8														
9														
10														

Lab: TAT
Lab: TAT

Quality Control Notice

For Report # : 373859

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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

Notice Date: 9/17/2015
Project: 24 N. Kilmer
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5737399 Description / Location: White Texture
Client No.: 16-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100
1.1% Chrysotile				

Lab No.: 5737400 Description / Location: White Texture
Client No.: 16-2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100
1.3% Chrysotile				

Lab No.: 5737401 Description / Location: White Texture
Client No.: 16-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100
1.6% Chrysotile				

IATL's QA program has revealed an error for the above sample(s). Additional analysis has yielded the following results:

See above for sample specific findings.

Additional White Texture samples have been confirmed None Detected for asbestos.

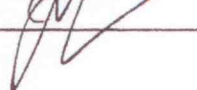
Your Certificate of Analysis will be revised to reflect these changes and resubmitted.

Please contact the Laboratory Customer Service Representative if you have any questions regarding this matter.

Analytical Outlier Report # 1509171

Comments: If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix.

Analysis Performed By: L. Price
Date: 9/16/2015

QA Review: 



24 North Kilmer Street, Dayton, Ohio 45417



HA #1 - 9"x9" Red floor tile



HA #2, #3 – 9”x9” Tan floor tile with black mastic



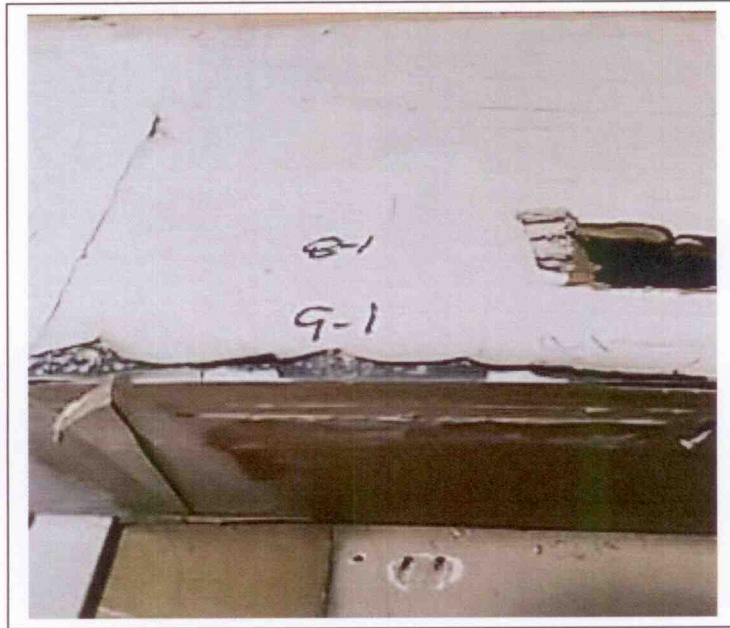
HA #4 – Window glaze



HA #5 & #6 – Hard wall and ceiling plaster



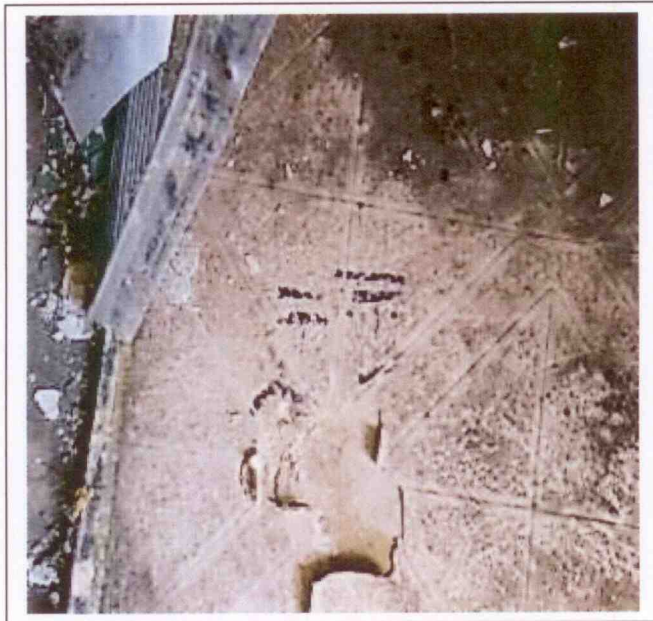
HA #7 – Textured ceiling



HA #8 & #9 – Drywall and associated joint compound



HA #10 – 12"x12" Tan sticky back floor tile



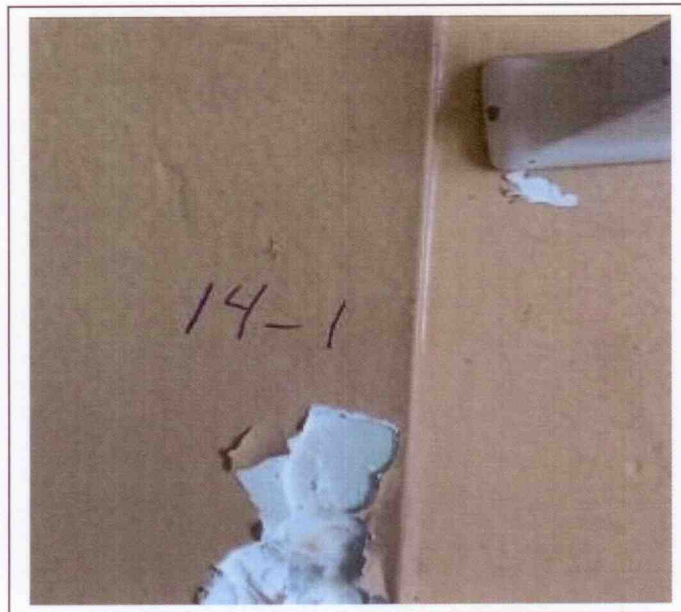
HA #11 – Cream linoleum



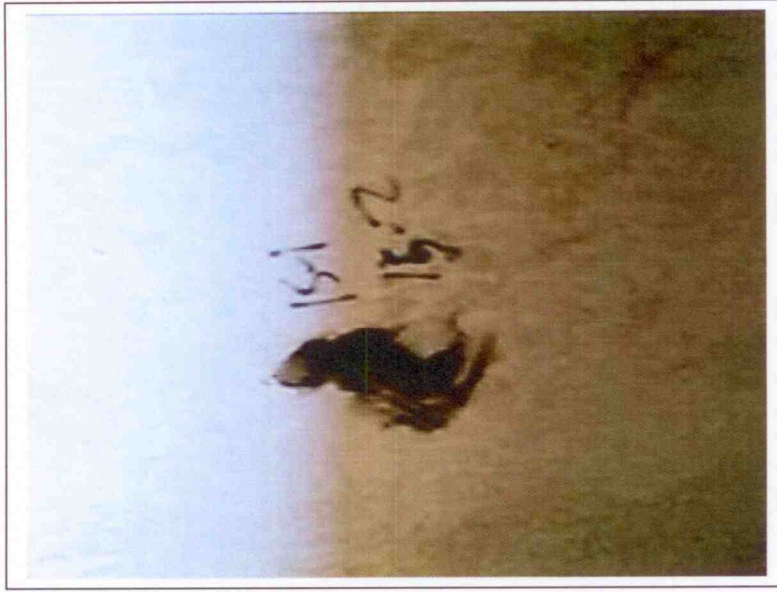
HA #12 – Textured ceiling



HA #13 – Drywall, new



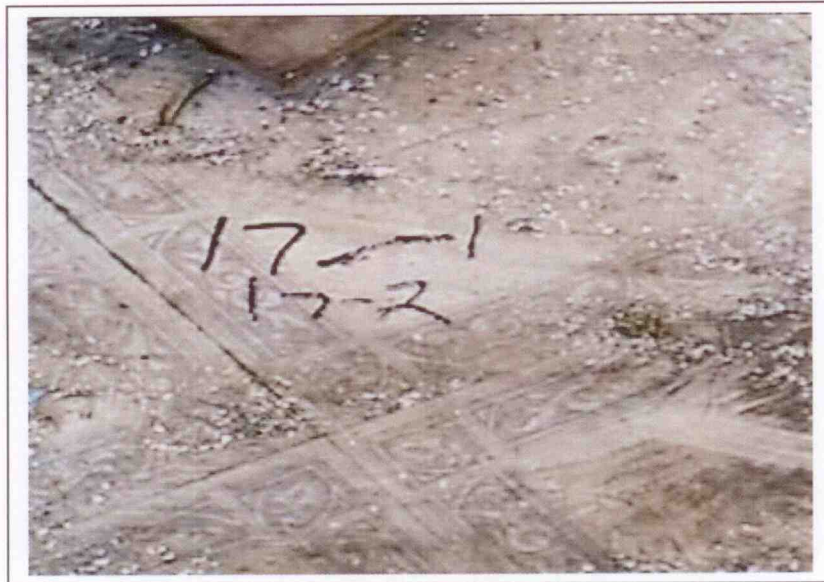
HA #14 – Joint compound



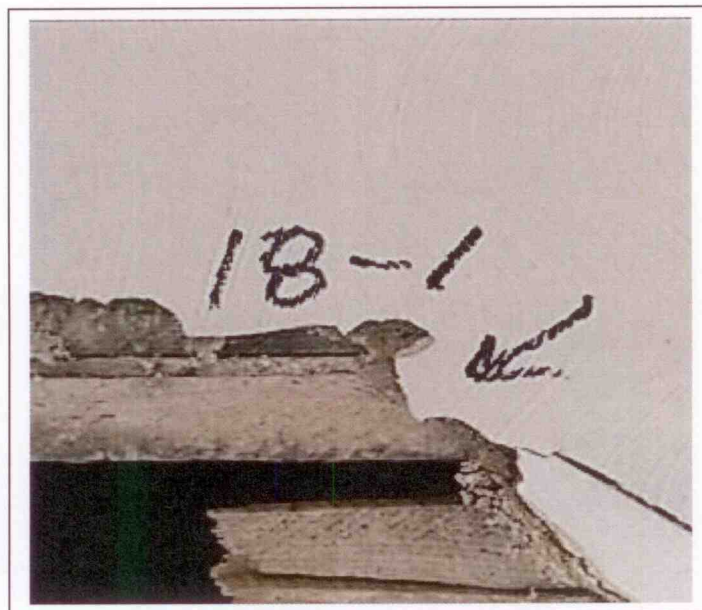
HA #15 – Blown-in insulation



HA #16 – Textured ceiling



HA #17 – 12"x12" White sticky back floor tile



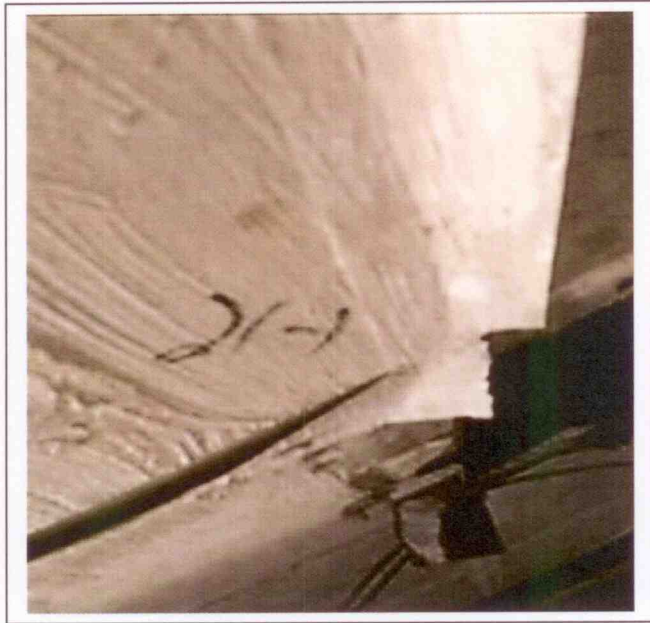
HA #18 – Tar paper behind hard wall plaster



HA #19 – Duct insulation concealed behind hard wall plaster



HA #20 – Drywall, old



HA #21 – Joint compound, old



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:

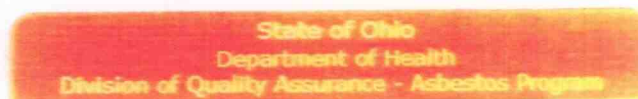
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

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 valid if altered.

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: **ES32139** Expiration Date: **05/19/2016**

DOB: 07/23/1967

This certification is issued pursuant to Chapter 3710 of the Ohio Administrative Code. Certification is valid only for the purpose stated on the card.