



SIERRA ENVIRONMENTAL GROUP, INC.

September 23, 2015

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

Re: Comprehensive Pre-Demolition Asbestos Inspection
Vacant Residences
1247-1253 Linda Vista Avenue
Dayton, Ohio 45405
Sierra Project Number: MCLB.001

Dear Mr. Zimmer:

On September 9, 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 1247-1253 Linda Vista 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, blown-in insulation, baseboards, tar paper and duct insulation. Three (3) 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 \$75,610.00. The cost to remove the Category I asbestos-containing materials from this site prior to demolition would be \$250.00. 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 apartment building located at 1247-1253 Linda Vista Avenue, Dayton, Ohio.					
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Stairwell to Unit 1	1	1-1	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 1 living room	1	1-2	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 2 living room	1	1-3	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 2 basement stairwell	1	1-4	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Unit 2 basement stairwell	1	1-5	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 3 living room	1	1-6	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Unit 4 living room	1	1-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Stairwell to Unit 1	2	2-1	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 1 living room	2	2-2	*1.2% Chrysotile	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 2 living room	2	2-3	Stopped Analysis	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 2 basement stairwell	2	2-4	Stopped Analysis	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Unit 2 basement stairwell	2	2-5	Stopped Analysis	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Unit 3 living room	2	2-6	Stopped Analysis	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Unit 4 living room	2	2-7	Stopped Analysis	Nonfriable
Window glaze (Miscellaneous)	Unit 1	3	3-1	None Detected	Friable
Window glaze (Miscellaneous)	Unit 2	3	3-2	None Detected	Friable
12"x12" Tan sticky back floor tile (Miscellaneous)	Unit 1 entry	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
12"x12" Tan sticky back floor tile (Miscellaneous)	Unit 1 kitchen	4	4-2	None Detected	Nonfriable
Exterior stucco (Miscellaneous)	2nd Floor	5	5-1	None Detected	Nonfriable
Exterior stucco (Miscellaneous)	1st Floor	5	5-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 1 bedroom	6	6-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 1 bedroom	6	6-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 1 bedroom	6	6-3	None Detected	Nonfriable
Duct insulation (Thermal System Insulation)	Unit 1 living room	7	7-1	80% Chrysotile	Friable
Blown-in insulation (Miscellaneous)	Unit 1 kitchen	8	8-1	None Detected	Friable
Blown-in insulation (Miscellaneous)	Unit 2 kitchen	8	8-2	None Detected	Friable
12"x12" Square pattern sticky back floor tile (Miscellaneous)	Unit 1 rear stairwell	9	9-1	None Detected	Nonfriable
12"x12" Square pattern sticky back floor tile (Miscellaneous)	Unit 1 rear stairwell	9	9-2	None Detected	Nonfriable
Black baseboard (Miscellaneous)	Unit 1 rear stairwell	10	10-1	None Detected	Nonfriable
Black baseboard (Miscellaneous)	Unit 1 rear stairwell	10	10-2	None Detected	Nonfriable
Mastic associated with black baseboard (Miscellaneous)	Unit 1 rear stairwell	11	11-1	None Detected	Nonfriable
Mastic associated with black baseboard (Miscellaneous)	Unit 1 rear stairwell	11	11-2	None Detected	Nonfriable
Drywall (Miscellaneous)	Unit 1 basement stairwell	12	12-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Unit 2 living room	12	12-2	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
Joint compound (Miscellaneous)	Unit 1 basement stairwell	13	13-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Unit 2 living room	13	13-2	None Detected	Nonfriable
Textured wall (Surfacing, <1,000 sf)	Unit 2 bedroom	14	14-1	None Detected	Nonfriable
Textured wall (Surfacing, <1,000 sf)	Unit 2 bedroom	14	14-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 2 bedroom	14	14-3	None Detected	Nonfriable
Black and white sheet flooring (Miscellaneous)	Unit 2 kitchen	15	15-1	None Detected	Nonfriable
Black and white sheet flooring (Miscellaneous)	Unit 2 kitchen	15	15-2	None Detected	Nonfriable
12"x12" Tan sticky back floor tile, 2nd layer (Miscellaneous)	Unit 2 kitchen	16	16-1	*1.1% Chrysotile	Nonfriable
12"x12" Tan sticky back floor tile, 2nd layer (Miscellaneous)	Unit 2 kitchen	16	16-2	None Detected	Nonfriable
Textured wall (Surfacing, <1,000 sf)	Unit 3 living room	17	17-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 3 living room	17	17-2	None Detected	Nonfriable
Textured wall (Surfacing, <1,000 sf)	Unit 3 living room	17	17-3	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Unit 3 bathroom	18	18-1	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Unit 3 bathroom	18	18-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 4 living room	19	19-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 4 living room	19	19-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Unit 4 living room	19	19-3	None Detected	Nonfriable

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
Tar paper (Miscellaneous)	2nd Floor balcony	20	20-1	None Detected	Nonfriable
Tar paper (Miscellaneous)	2nd Floor balcony	20	20-2	None Detected	Nonfriable
Brown asphalt roof shingle (Miscellaneous)	Exterior	21	21-1	None Detected	Nonfriable
Brown asphalt roof shingle (Miscellaneous)	Exterior	21	21-2	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 building located at 1247-1253 Linda Vista Avenue, Dayton.			
Entire Unit 1	RACM	Hard wall and ceiling plaster	2,680 sf
Basement, Unit 1	RACM	Duct insulation	20 sf
Basement, Unit 1	RACM	Duct insulation debris	10 sf
Basement to 2nd floor, Unit 1	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 sf
Entire Unit 2	RACM	Hard wall and ceiling plaster	2,680 sf
Unit 2, kitchen	I	12"x12" Tan floor tile (under black and white sheet flooring)	120 sf
Basement, Unit 2	RACM	Duct insulation	15 sf
Basement, Unit 2	RACM	Duct insulation debris	20 sf
Entire Unit 3	RACM	Hard wall and ceiling plaster	2,260 sf
Basement, Unit 3	RACM	Duct insulation	20 sf
Basement, Unit 3	RACM	Duct insulation debris	15 sf
Entire Unit 4	RACM	Hard wall and ceiling plaster	2,260 sf
Basement, Unit 4	RACM	Duct insulation	20 sf
Basement, Unit 4	RACM	Duct insulation debris	25 sf
Basement to 2nd floor, Unit 4	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 sf
Rear stairwell	RACM	Hard wall and ceiling plaster	730 sf
Front stairwell	RACM	Hard wall and ceiling plaster	875 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 1247-1253 Linda Vista Avenue, Dayton.			
Entire Unit 1	RACM	Hard wall and ceiling plaster	\$16,080.00
Basement, Unit 1	RACM	Duct insulation	\$400.00
Basement, Unit 1	RACM	Duct insulation debris	\$250.00
Basement to 2nd floor, Unit 1	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00
Entire Unit 2	RACM	Hard wall and ceiling plaster	\$16,080.00
Unit 2, kitchen	I	12"x12" Tan floor tile (concealed under black and white sheet flooring)	\$250.00
Basement, Unit 2	RACM	Duct insulation	\$300.00
Basement, Unit 2	RACM	Duct insulation debris	\$400.00
Entire Unit 3	RACM	Hard wall and ceiling plaster	\$13,560.00
Basement, Unit 3	RACM	Duct insulation	\$400.00
Basement, Unit 3	RACM	Duct insulation debris	\$300.00
Entire Unit 4	RACM	Hard wall and ceiling plaster	\$13,560.00
Basement, Unit 4	RACM	Duct insulation	\$400.00
Basement, Unit 4	RACM	Duct insulation debris	\$500.00
Basement to 2nd floor, Unit 4	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00
Rear stairwell	RACM	Hard wall and ceiling plaster	\$4,380.00
Front stairwell	RACM	Hard wall and ceiling plaster	\$5,250.00

Table 3-1

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736088 Description / Location: Tan Plaster
Client No.: 1-1

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

Lab No.: 5736088 Description / Location: White Joint Compound Layer No.: 2
Client No.: 1-1

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

Lab No.: 5736089 Description / Location: White Joint Compound
Client No.: 1-2

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

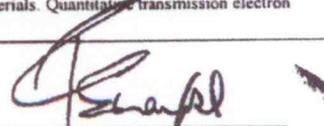
Accreditations: NIST-NVLAP No. 101165-0 NY-DOH No. 11021 AIHA-LAP, LLC No. 100188

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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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736090	Description / Location: White Plaster			
Client No.: 1-3				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736090	Description / Location: Tan Plaster			Layer No.: 2
Client No.: 1-3				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736091	Description / Location: Tan Plaster			
Client No.: 1-4				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736092	Description / Location: Tan Plaster			
Client No.: 1-5				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Analysis Performed By: T. Lowe

Date: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736093		Description / Location: Tan Plaster		
Client No.: 1-6				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736093		Description / Location: White Joint Compound		Layer No.: 2
Client No.: 1-6				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736094		Description / Location: Tan Plaster		
Client No.: 1-7				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736094		Description / Location: White Joint Compound		Layer No.: 2
Client No.: 1-7				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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Analysis Performed By: T. Lowe

Date: 9/14/2015

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Cincinnati OH 45214

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736095	Description / Location: Grey 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.: 5736096	Description / Location: Grey 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>
PC 1.2	Chrysotile	2	Hair	PC 96.8

Lab No.: 5736097	Description / Location: Sample Not Analyzed			
Client No.: 2-3				
<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.: 5736098	Description / Location: Sample Not Analyzed			
Client No.: 2-4				
<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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CERTIFICATE OF ANALYSIS

Client: Sierra Environmental Group Inc
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Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736099	Description / Location: Sample Not Analyzed			
Client No.: 2-5				
<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.: 5736100	Description / Location: Sample Not Analyzed			
Client No.: 2-6				
<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.: 5736101	Description / Location: Sample Not Analyzed			
Client No.: 2-7				
<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	

Lab No.: 5736102	Description / Location: White Glazing			
Client No.: 3-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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

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Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736103		Description / Location: White Glazing		
Client No.: 3-2				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5736104		Description / Location: Brown 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.: 5736104		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

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736105 Description / Location: Brown 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.: 5736105 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.: 5736106 Description / Location: Grey Plaster
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.: 5736107 Description / Location: Grey 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

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736108		Description / Location: White Texture		
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.: 5736109		Description / Location: White Texture		
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.: 5736110		Description / Location: White Texture		
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	None Detected	None Detected	100

Lab No.: 5736111		Description / Location: Tan Fibrous Material		
Client No.: 7-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
80	Chrysotile	None Detected	None Detected	20

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736112	Description / Location: Tan Fibrous Material			
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	90	Cellulose	10

Lab No.: 5736113	Description / Location: Tan Fibrous Material			
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	90	Cellulose	10

Lab No.: 5736114	Description / Location: Tan Vinyl Sheet Flooring			
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.: 5736114	Description / Location: Tan Mastic			Layer No.: 2
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

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: 9/14/2015

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736115 Description / Location: Tan Vinyl Sheet Flooring
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

Lab No.: 5736115 Description / Location: Tan Mastic Layer No.: 2
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

Lab No.: 5736116 Description / Location: Grey Cove Base
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.: 5736117 Description / Location: Grey Cove Base
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

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736118	Description / Location: Tan 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.: 5736118	Description / Location: White Joint 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

Lab No.: 5736119	Description / Location: Tan Mastic			
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.: 5736119	Description / Location: White Joint 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

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736120	Description / Location: White Sheetrock			
Client No.: 12-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	95

Lab No.: 5736121	Description / Location: White Sheetrock			
Client No.: 12-2				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	5	Cellulose	95

Lab No.: 5736122	Description / Location: Sample Not Received			
Client No.: 13-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
	Sample Not Received		Sample Not Received	

Lab No.: 5736123	Description / Location: White Joint Compound			
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	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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736124 **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.: 5736125 **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

Lab No.: 5736126 **Description / Location:** White Texture
Client No.: 14-3

<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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

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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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736127 **Description / Location:** White Floor Tile
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	None Detected	None Detected	100

Lab No.: 5736127 **Description / Location:** White Mastic **Layer No.:** 2
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	None Detected	None Detected	100

Lab No.: 5736128 **Description / Location:** White Floor Tile
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	None Detected	None Detected	100

Lab No.: 5736128 **Description / Location:** White Mastic **Layer No.:** 2
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	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: 9/14/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/14/2015
		Report No.:	373748
		Project:	1247-1253 Linda Vista
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5736129	Description / Location:	Grey Floor Tile	
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

Lab No.:	5736129	Description / Location:	Tan Mastic	
Client No.:	16-1			Layer No.: 2
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

Lab No.:	5736130	Description / Location:	Tan Mastic	
Client No.:	16-2			
<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.:	5736131	Description / Location:	White Texture	
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

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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736132	Description / Location: White Texture			
Client No.: 17-2				
<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.: 5736132	Description / Location: White Joint Compound			Layer No.: 2
Client No.: 17-2				
<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.: 5736133	Description / Location: White Texture			
Client No.: 17-3				
<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.: 5736133	Description / Location: White Joint Compound			Layer No.: 2
Client No.: 17-3				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	None Detected	None Detected	100

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

*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

Date: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736134		Description / Location: Tan Floor Tile		
Client No.: 18-1				
<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.: 5736134		Description / Location: Tan Mastic		Layer No.: 2
Client No.: 18-1				
<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.: 5736135		Description / Location: Tan Floor Tile		
Client No.: 18-2				
<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.: 5736135		Description / Location: Tan Mastic		Layer No.: 2
Client No.: 18-2				
<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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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: 9/14/2015

CERTIFICATE OF ANALYSIS

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

Report Date: 9/14/2015
Report No.: 373748
Project: 1247-1253 Linda Vista
Project No.: MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5736136	Description / Location: White Texture			
Client No.: 19-1				
<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.: 5736137	Description / Location: White Texture			
Client No.: 19-2				
<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.: 5736138	Description / Location: White Texture			
Client No.: 19-3				
<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.: 5736139	Description / Location: Black Tar Paper			
Client No.: 20-1				
<u>% Asbestos</u>	<u>Type</u>	<u>% Non-Asbestos Fibrous Material</u>	<u>Type</u>	<u>% Non-Fibrous Material</u>
None Detected	None Detected	70	Cellulose	30

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: 9/14/2015

CERTIFICATE OF ANALYSIS

Client:	Sierra Environmental Group Inc 1041 Straight Street Cincinnati OH 45214	Report Date:	9/14/2015
		Report No.:	373748
		Project:	1247-1253 Linda Vista
		Project No.:	MCLB.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.:	5736140	Description / Location:	Black Tar Paper	
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	70	Cellulose	30

Lab No.:	5736141	Description / Location:	Black Shingle	
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	10	Fibrous Glass	90

Lab No.:	5736142	Description / Location:	Black Shingle	
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	10	Fibrous Glass	90

Lab No.:	5736143	Description / Location:	White Joint Compound Additional Sample Received	
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	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

Date: 9/14/2015

Chain of Custody

- Bulk Asbestos -

Contact Information		Project Number: <u>MCLB-001</u>
Client Company: <u>Sierco</u>	Project Name: <u>1297-1253 Linda Vista</u>	Primary Contact: <u>T. Taylor</u>
Office Address: <u>1041 Straight St.</u>	Office Phone: _____	Cell Phone: _____
City, State, Zip: <u>Circ. OH 45214</u>		
Fax Number: _____		
Email Address: <u>tt.sierco@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 if you are submitting a RUSH sample.

Chain of Custody

Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>9-9-15</u>	Time: _____
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): <u>[Signature]</u>	Date: _____	Time: _____
Analysis (Name(s) / iATL): <u>[Signature]</u>	Date: <u>9-14-15</u>	Time: _____
QA/QC Review (Name / iATL): <u>[Signature]</u>	Date: <u>9-15-15</u>	Time: _____
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____

RECEIVED
SEP 10 2015
IATL-BY [Signature]

E-MAILED
9-15-15

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip Cincinnati, OH 45214

Company Name Siega Environmental Group, Inc. Address 1041 Straight Street

Phone (513) 542-5323 Fax () E-mail hsy@sega.com

Project Name / Testing Address: *MCCB, ext. 1247-1253 Linda Vista* 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				Volume (Total Liters)	COMMENTS	
			PM1 (Cont. 40)	PM10 (Cont. 100)	PM10 (Cont. 100)	PM2.5 (Cont. 100)	PM2.5 (Cont. 100)	PM10 (Cont. 100)	Time On	Time Off	Flow Rate (L/min)	Test Time (min)			
1	1-1	4-9-15	-	-	5736088	5736088	5736088	-	-	-	-	-	-	-	Sk at 1 st position ↓ Sk at 1 st position ↓
2	1-2		-	-	5736089	5736089	5736090	-	-	-	-	-	-		
3	1-3		-	-	5736091	5736091	5736092	-	-	-	-	-	-		
4	1-4		-	-	5736093	5736093	5736094	-	-	-	-	-	-		
5	1-5		-	-	5736095	5736095	5736096	-	-	-	-	-	-		
6	1-6		-	-	5736097	5736097	5736097	-	-	-	-	-	-		
7	1-7		-	-	5736095	5736095	5736096	-	-	-	-	-	-		
8	2-1		-	-	5736096	5736096	5736097	-	-	-	-	-	-		
9	2-2		-	-	5736097	5736097	5736097	-	-	-	-	-	-		
10	2-3		-	-	5736097	5736097	5736097	-	-	-	-	-	-		

Signature: *[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: bsierraz@sierra.net
 Project Name / Testing Address: MCLB, ext. 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			Volume (Total Liters)	COMMENTS	
			PM 1	PM 2	PM 3	PM 4	PM 5	PM 6	Flow Rate (m/min)	Total Time (min)				
1	2-1	9-9-15	-	-	5736100	5736100	5736100	5736100	5736100	5736100				
2	2-5		-	-	5736100	5736100	5736100	5736100	5736100	5736100				
3	2-6		-	-	5736100	5736100	5736100	5736100	5736100	5736100				
4	2-7		-	-	5736100	5736100	5736100	5736100	5736100	5736100				
5	3-1		-	-	5736102	5736102	5736102	5736102	5736102	5736102				Sp at 1 st position
6	3-2		-	-	5736102	5736102	5736102	5736102	5736102	5736102				Sp at 1 st position
7	4-1		-	-	5736105	5736105	5736105	5736105	5736105	5736105				Sp at 1 st position
8	4-2		-	-	5736105	5736105	5736105	5736105	5736105	5736105				Sp at 1 st position
9	5-1		-	-	5736107	5736107	5736107	5736107	5736107	5736107				Sp at 1 st position
10	5-2		-	-	5736107	5736107	5736107	5736107	5736107	5736107				Sp at 1 st position

Prepared By: T. Taylor
 Signature: [Signature]
 Date: [Date]

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: userr@sierra.net
 Project Name / Testing Address: MCB, 201 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				Volume (Total Liters)	COMMENTS	
			PLM (cont. air)	PM 10 (cont. air)	PM 2.5 (cont. air)	PM 10 (Total)	PM 2.5 (Total)	TRM ALB (air)	TRM ALB (Total)	Flow Rate (m³/min)			Total Time (min)
1	6-1	7-9-15	-	-	-	5736108							Sp at 1 st position
2	6-2		-	-	-	5736109							
3	6-3		-	-	-	5736110							
4	7-1		-	-	-	5736111							
5	8-1		-	-	-	5736112							Sp at 1 st position
6	8-2		-	-	-	5736113							
7	9-1		-	-	-	5736114							Sp at 1 st position
8	9-2		-	-	-	5736115							
9	10-1		-	-	-	5736116							Sp at 1 st position
10	10-2		-	-	-	5736117							

Prepared By: T. Taylor Signature: *[Signature]*
 Date: 7/9/15

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: McClellan, OH City/State (Required): _____
 Collected by: Todd Taylor Purchase Order Number: _____

Turn Around Times: 1 - Day 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			Volume (Total Liters)	COMMENTS	
			PM	PM (cont. air)	PM (cont. air)	PM & Pooled	PM (method 846)	TM (method 846)	TM (method 846)	Time On	Time Off			Flow Rate (m3)
1	11-1	4-9-15	-	-	-	5736118	-	-	-	-	-	-	-	Sk at 1 position
2	11-2		-	-	-	5736119	-	-	-	-	-	-	-	Sk at 1 position
3	12-1		-	-	-	5736120	-	-	-	-	-	-	-	Sk at 1 position
4	12-2		-	-	-	5736121	-	-	-	-	-	-	-	Sk at 1 position
5	13-1		-	-	-	5736122	-	-	-	-	-	-	-	Sk at 1 position
6	13-2		-	-	-	5736123	-	-	-	-	-	-	-	Sk at 1 position
7	14-1		-	-	-	5736124	-	-	-	-	-	-	-	Sk at 1 position
8	14-2		-	-	-	5736125	-	-	-	-	-	-	-	Sk at 1 position
9	14-3		-	-	-	5736126	-	-	-	-	-	-	-	Sk at 1 position
10	15-1		-	-	-	5736127	-	-	-	-	-	-	-	Sk at 1 position

Signature: [Signature] Date: _____
 Signature: [Signature] Date: _____
 Not received & iATL 5736122

Asbestos Chain-of-Custody

~ For Lab Use Only ~

City/State/Zip: Cincinnati, OH 45214

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

Phone: (513) 542-5323

E-mail: itsgraff@luse.net

City/State (Required):

Project Name / Testing Address: *MCCB, 201*

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

No.	Client Sample ID	Date Collected	ASBESTOS				AIR				Volume (Total Liters)	COMMENTS	
			PLATFORM (cont. #1)	PLATFORM (cont. #2)	PM 2.5 PRIORITY	TM (method: bulk)	TM ALB (NO)	Time On	Time Off	Flow Rate (CFM)			Total Time (minutes)
1	15-2	9-9-15	-	-	5736128	-	-	-	-	-	-	-	Sp at 1 positive
2	16-1	}	-	-	5736125	-	-	-	-	-	-	-	Sp at 1 positive
3	16-2		5736130	-	-	-	-	-	-	-	-	-	Sp at 1 positive
4	17-1		5736131	-	-	-	-	-	-	-	-	-	Sp at 1 positive
5	17-2		5736132	-	-	-	-	-	-	-	-	-	Sp at 1 positive
6	17-3		5736133	-	-	-	-	-	-	-	-	-	Sp at 1 positive
7	18-1		5736134	-	-	-	-	-	-	-	-	-	Sp at 1 positive
8	18-2		5736135	-	-	-	-	-	-	-	-	-	Sp at 1 positive
9	19-1		5736136	-	-	-	-	-	-	-	-	-	Sp at 1 positive
10	19-2		5736137	-	-	-	-	-	-	-	-	-	Sp at 1 positive

Signature: *T. Taylor*
Date: _____
Time: _____

Asbestos Chain-of-Custody

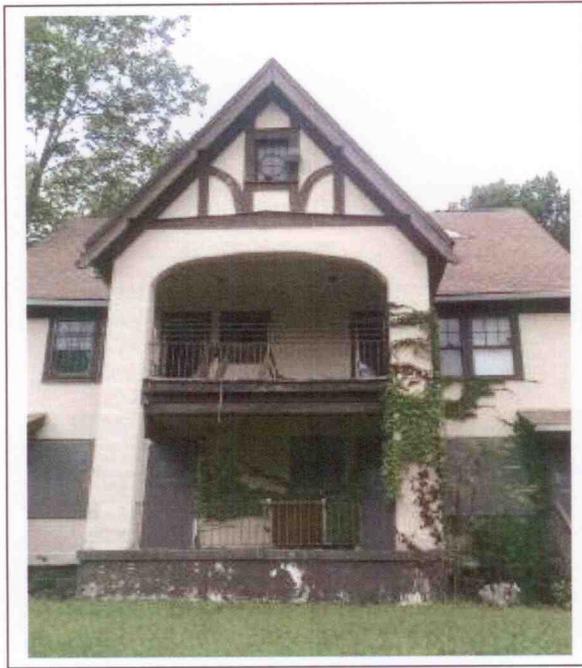
~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
 Phone: (513) 542-5323 Fax: Email: ts@sierraenv.com
 Project Name / Testing Address: *MCCB, cat* City/State (Required):
 Collected by: Todd Taylor Purchase Order Number:

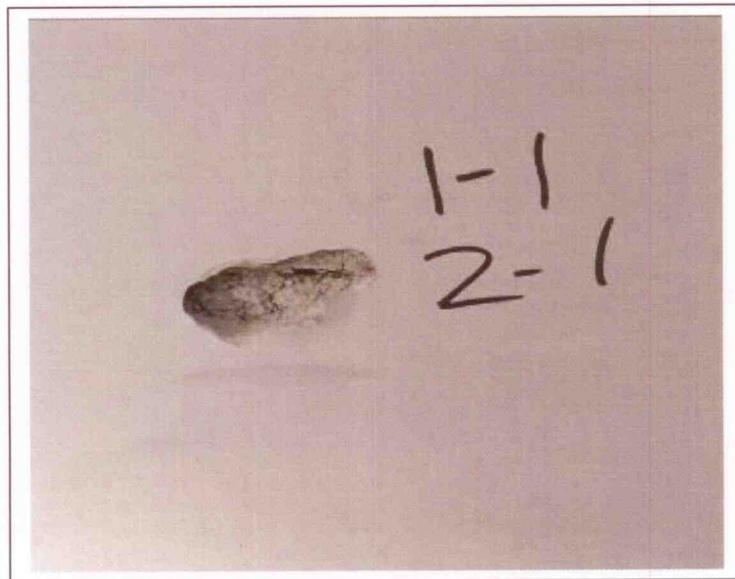
Turn Around Times: If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.
 1 - Day 2 - Day 3 - Day
 Same Day (Must Call Ahead) Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS						AIR				Volume (Total Liters)	COMMENTS	
			PM	PM (cont. air)	PM 2.5 Filtered	PM 10 Filtered (Total)	PM 10 Filtered (Cont.)	Flow Rate (CFM)	Time On	Time Off	Total Time (min)				
1	0-3	9-9-15	-	-	5736138	-	-	-	-	-	-	-	-	-	Sp at 1 position
2	101	↓	-	-	5736139	-	-	-	-	-	-	-	-	-	Sp at 1 position
3	202	↓	-	-	5736140	-	-	-	-	-	-	-	-	-	Sp at 1 position
4	211	↓	-	-	5736141	-	-	-	-	-	-	-	-	-	Sp at 1 position
5	212	↓	-	-	5736142	-	-	-	-	-	-	-	-	-	Sp at 1 position
6	Addl sample tested scheduled 10/2														
7															
8															
9															
10															

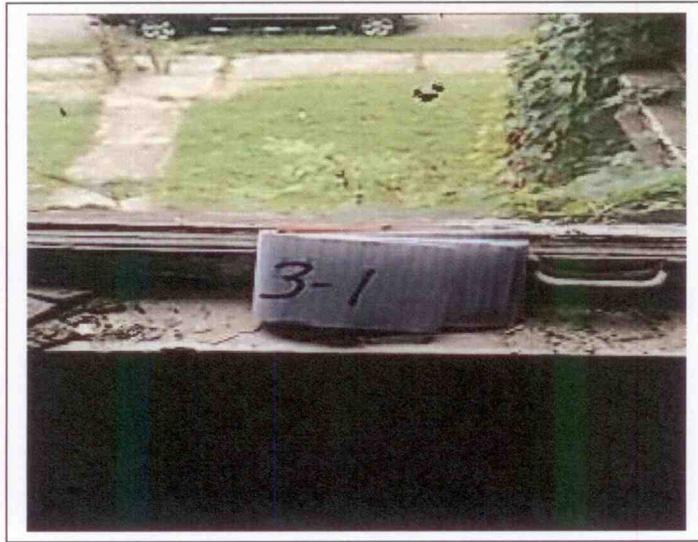
Released by: *T. Taylor* Date Time: _____
 Prepared by: *John A. [Signature]* Date Time: _____



1247-1253 Linda Vista Avenue, Dayton, Ohio 45405



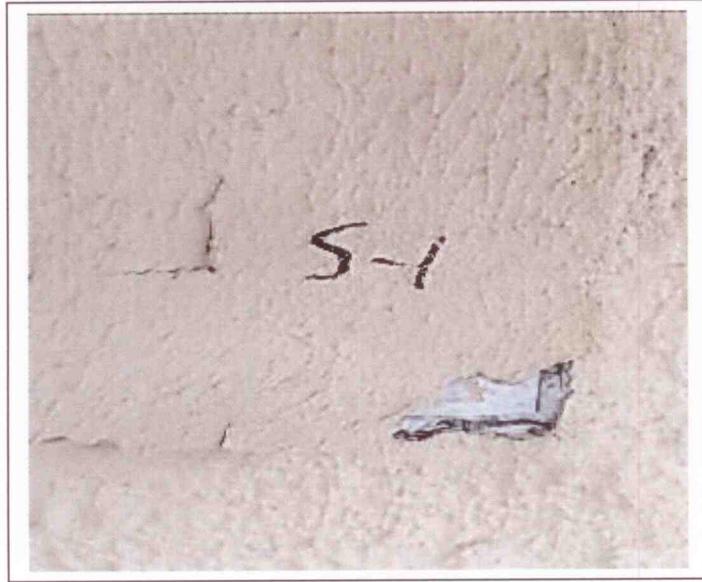
HA #1 & #2 – Hard wall and ceiling plaster



HA #3 – Window glaze



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



HA #5 – Exterior stucco



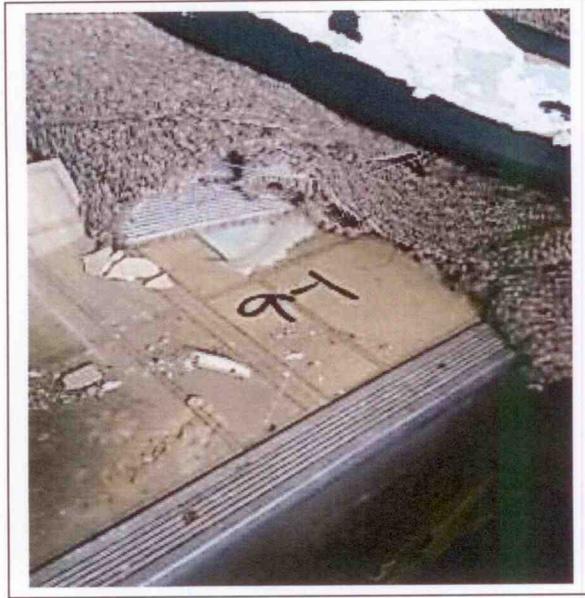
HA #6 – Textured ceiling



HA #7 – Duct insulation concealed behind hard wall plaster



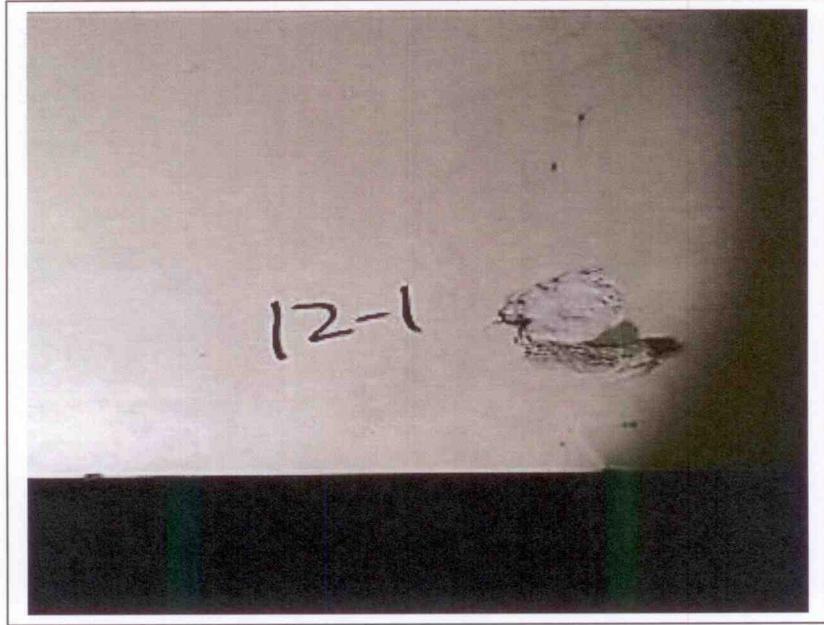
HA #8 – Blown-in insulation



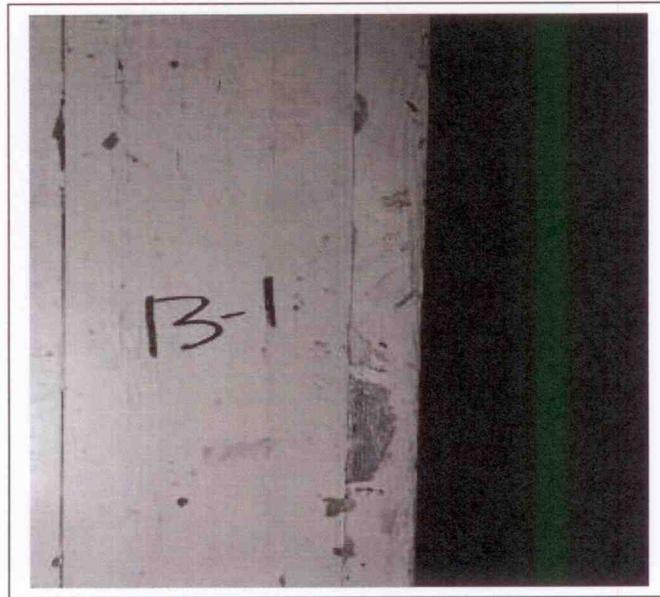
HA #9 – 12”x12” Square pattern flooring



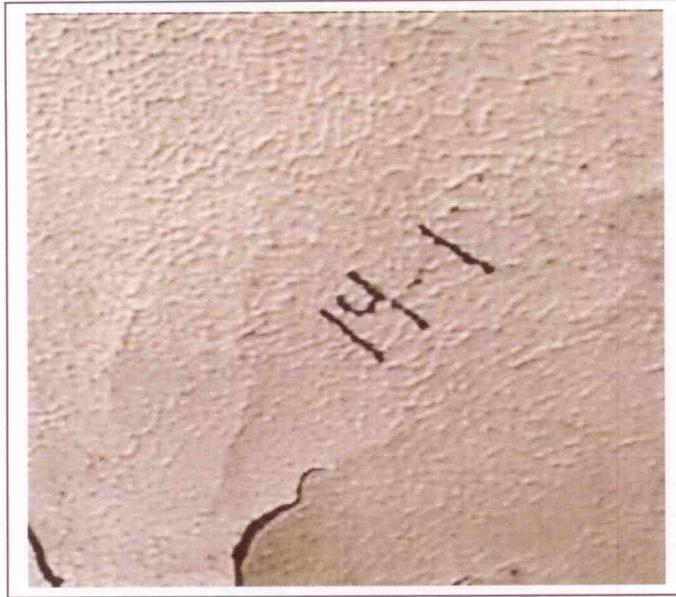
HA #10 & #11 – Black baseboard and associated mastic



HA #12 - Drywall



HA #13 - Joint compound



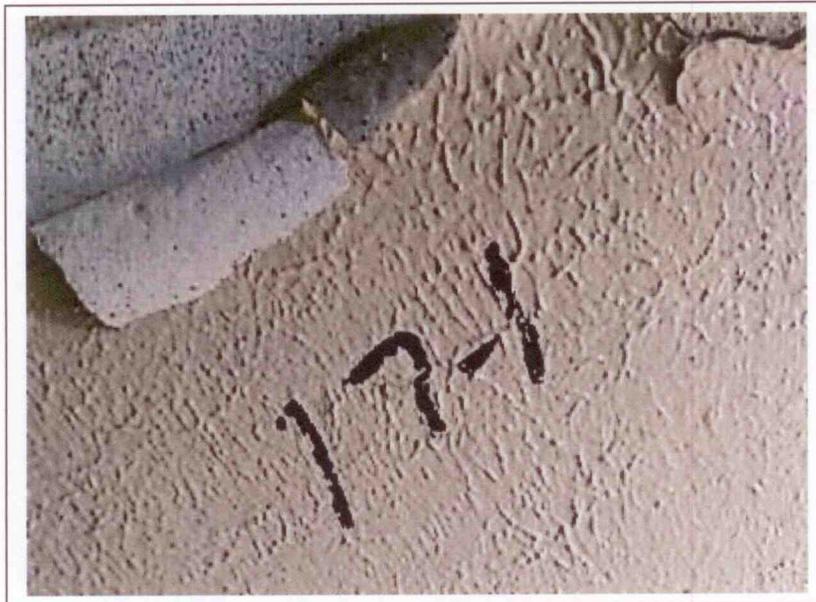
HA #14 – Textured wall



HA #15 – Black and white sheet flooring



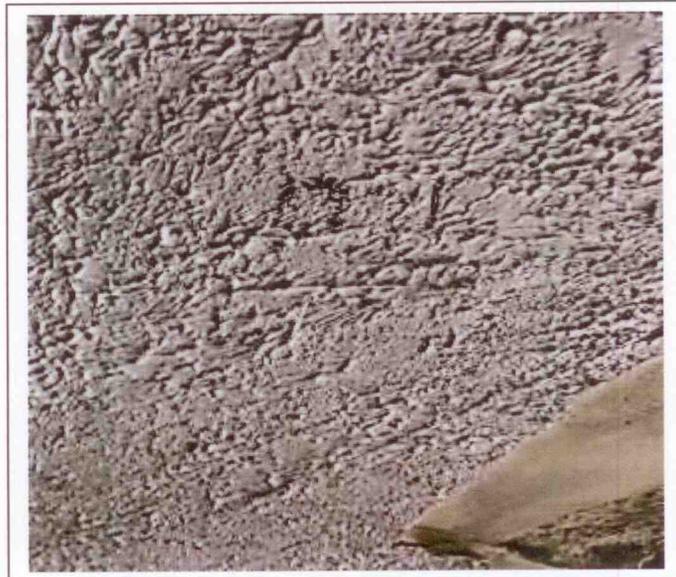
HA #16 12" Tan sticky back floor tile



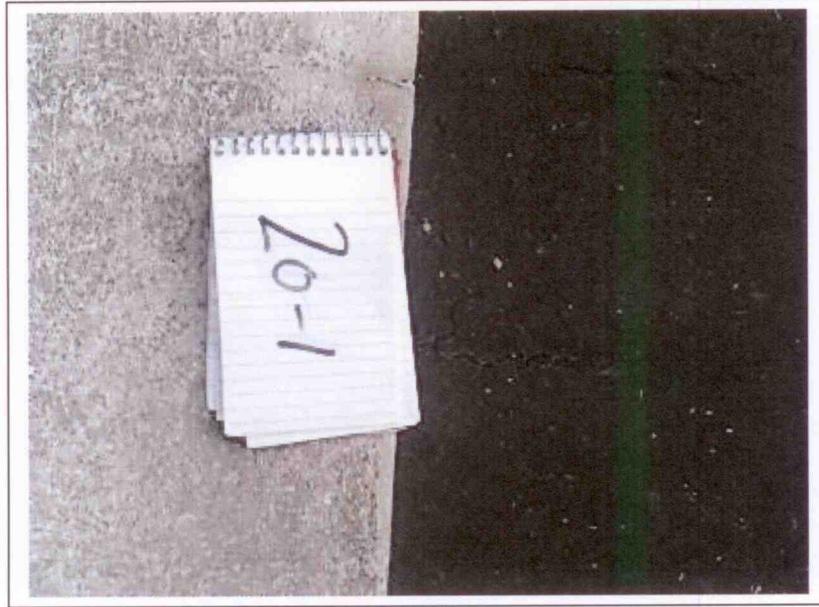
HA #17 - Textured wall



HA #18 – 12”x12” Tan sticky back floor tile



HA #19 – Textured ceiling



HA #20 – Tar paper



HA #21 – Brown 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:

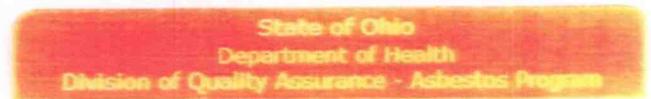
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

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 3710-04 of the Ohio Administrative Code.

Certification Card is not valid if altered.

OHIO DEPARTMENT OF HEALTH

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

Richard J. Manges / 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: **ES32139** Expiration Date: **05/19/2016**

DOB: 07/23/1967

This certification is subject to Chapter 3710 of the Ohio Administrative Code. Certification cards are not acceptable as proof of certification.