



SIERRA ENVIRONMENTAL GROUP, INC.

December 8, 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
1308-1310 Kumler Avenue
Dayton, Ohio 45406
Sierra Project Number: MCLB.002

Dear Mr. Zimmer:

On November 29, 2015, Mr. Chris Kuettner (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES33689) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residences located at 1308-1310 Kumler 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, door caulk, window glaze, window caulk, roofing materials, duct insulation and blown-in insulation. Four (4) asbestos-containing materials were identified within these residences scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM), Category I and Category II asbestos-containing materials from this site prior to demolition would be \$17,050.00. 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) Floor Plans; 6) Site Photographs; 7) Inspector's Certification. If we can be of further assistance on this or any other project, do not hesitate to call us at (513) 542-5323.

Sincerely,

SIERRA ENVIRONMENTAL GROUP, INC.



Todd Taylor
Operations Manager

Attachments



TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
The following samples were collected from the vacant residences located at 1308-1310 Kumler Avenue, Dayton, Ohio.					
Door caulk (Miscellaneous)	Exterior	1	1-1	*1.25% Chrysotile	Friable
Door caulk (Miscellaneous)	Exterior	1	1-2	Stopped Analysis	Friable
Window glaze (Miscellaneous)	Exterior	2	2-1	None Detected	Friable
Window glaze (Miscellaneous)	Exterior	2	2-2	None Detected	Friable
Window caulk (Miscellaneous)	Exterior	3	3-1	*1.50% Chrysotile	Friable
Window caulk (Miscellaneous)	Exterior	3	3-2	Stopped Analysis	Friable
Green asphalt roof shingle (Miscellaneous)	Exterior	4	4-1	None Detected	Nonfriable
Green asphalt roof shingle (Miscellaneous)	Exterior	4	4-2	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, 1308 side	5	5-1	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, 1308 side	5	5-2	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 1308 side	5	5-3	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 1308 side	5	5-4	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, 1310 side	5	5-5	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, 1310 side	5	5-6	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 1310 side	5	5-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, 1308 side	6	6-1	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, 1308 side	6	6-2	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)	Kitchen, 1308 side	6	6-3	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 1308 side	6	6-4	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Living room, 1310 side	6	6-5	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Living room, 1310 side	6	6-6	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 1310 side	6	6-7	None Detected	Nonfriable
Textured ceiling, rough (Surfacing, <1,000 sf)	Living room, 1308 side	7	7-1	None Detected	Nonfriable
Textured ceiling, rough (Surfacing, <1,000 sf)	Living room, 1308 side	7	7-2	None Detected	Nonfriable
Textured ceiling, rough (Surfacing, <1,000 sf)	Living room, 1308 side	7	7-3	None Detected	Nonfriable
Textured ceiling, swirl (Surfacing, <1,000 sf)	Dining room, 1308 side	8	8-1	None Detected	Nonfriable
Textured ceiling, swirl (Surfacing, <1,000 sf)	Dining room, 1308 side	8	8-2	None Detected	Nonfriable
Textured ceiling, swirl (Surfacing, <1,000 sf)	Dining room, 1308 side	8	8-3	None Detected	Nonfriable
Textured ceiling, ripple (Surfacing, <1,000 sf)	Kitchen, 1308 side	9	9-1	None Detected	Nonfriable
Textured ceiling, ripple (Surfacing, <1,000 sf)	Kitchen, 1308 side	9	9-2	None Detected	Nonfriable
Textured ceiling, ripple (Surfacing, <1,000 sf)	Kitchen, 1308 side	9	9-3	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen, 1308 side	10	10-1	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen, 1308 side	10	10-2	None Detected	Nonfriable
12"x12" Grey sticky back floor tile (Miscellaneous)	Middle bedroom, 1308 side	11	11-1	None Detected	Nonfriable

Table 1-2

TABLE 1: BULK SAMPLE DATA SUMMARY

SAMPLE DESCRIPTION (Material Type)	SAMPLE LOCATION	HOMO AREA #	SAMPLE I.D. NO.	ASBESTOS CONTENT	FRIABLE/ NONFRIABLE
12"x12" Grey sticky back floor tile (Miscellaneous)	Middle bedroom, 1308 side	11	11-2	None Detected	Nonfriable
Textured ceiling, lumpy (Surfacing, <1,000 sf)	Living room, 1310 side	12	12-1	None Detected	Nonfriable
Textured ceiling, lumpy (Surfacing, <1,000 sf)	Dining room, 1310 side	12	12-2	None Detected	Nonfriable
Textured ceiling, lumpy (Surfacing, <1,000 sf)	Dining room, 1310 side	12	12-3	None Detected	Nonfriable
Blown-in insulation (Miscellaneous)	Living room, 1310 side	13	13-1	None Detected	Friable
Blown-in insulation (Miscellaneous)	Living room, 1310 side	13	13-2	None Detected	Friable
Tan square pattern linoleum (Miscellaneous)	Kitchen, 1310 side	14	14-1	None Detected	Nonfriable
Tan square pattern linoleum (Miscellaneous)	Kitchen, 1310 side	14	14-2	None Detected	Nonfriable
Textured ceiling, flower pattern (Surfacing, <1,000 sf)	Breakfast room, 1310 side	15	15-1	None Detected	Nonfriable
Textured ceiling, flower pattern (Surfacing, <1,000 sf)	Rear room, 1310 side	15	15-2	None Detected	Nonfriable
Textured ceiling, flower pattern (Surfacing, <1,000 sf)	Rear room, 1310 side	15	15-3	None Detected	Nonfriable
12"x12" Grey pattern flooring (Miscellaneous)	Rear stairwell landing	16	16-1	4% Chrysotile	Nonfriable
12"x12" Grey pattern flooring (Miscellaneous)	Rear stairwell landing	16	16-2	Stopped Analysis	Nonfriable
Drywall (Miscellaneous)	Basement	17	17-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Basement	17	17-2	None Detected	Nonfriable
Joint compound (Miscellaneous)	Basement	18	18-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Basement	18	18-2	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
Duct insulation (Thermal System Insulation)	Basement	19	19-1	55% Chrysotile	Friable

*Quantified By PLM Point Count Method

TABLE 2 - ASBESTOS INVENTORY

Location	Type ACM	Material Description	Amt. of Material (approx.)
The following asbestos-containing materials are located in the vacant residences located at 1308-1310 Kumler Avenue, Dayton, OH.			
Exterior	II	Door caulk	3 doors
Exterior	II	Window caulk	49 windows
Basement	RACM	Duct insulation	60 sf
Basement	RACM	Duct insulation debris	500 sf
Basement to 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	100 sf
Rear stairwell landing	I	12" Grey pattern sticky back floor tile	40 sf

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 1308-1310 Kumler Avenue, Dayton, OH.			
Exterior	II	Door caulk	\$750.00
Exterior	II	Window caulk	\$7,350.00
Basement	RACM	Duct insulation	\$1,200.00
Basement	RACM	Duct insulation debris	\$5,000.00
Basement to 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$2,500.00
Rear stairwell landing	I	12" Grey pattern sticky back floor tile	\$250.00

Table 3-1



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 15-12-00014

Client: Sierra Environment Group Inc.
 1041 Straight Street
 Cincinnati, OH 45214

Received Date: 12/01/2015
Analyzed Date: 12/03/2015
Reported Date: 12/04/2015

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Client Number:
 36-6195

Fax Number:
 513-542-6653

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-001	1-1		White Paint-Like; Tan Brittle; Inhomogeneous	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%					
Chrysotile present in tan brittle material					
15-12-00014-002	1-2			Did Not Analyze (Positive Stop)	
15-12-00014-003	2-1		White/Green Paint-Like; Tan Brittle; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-004	2-2		White/Green Paint-Like; Tan Brittle; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-005	3-1		White Paint-Like; Tan Brittle; Inhomogeneous	2% Chrysotile	98% Non-Fibrous
Total Asbestos: 2%					
Chrysotile present in tan brittle material					

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-006	3-2			Did Not Analyze (Positive Stop)	
15-12-00014-007	4-1		Green/Red/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	25% Cellulose 3% Hair 72% Non-Fibrous
15-12-00014-008	4-2		Green/Red/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	25% Cellulose 3% Hair 72% Non-Fibrous
15-12-00014-009	5-1		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-010	5-2		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-011	5-3		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-012	5-4		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-013	5-5		White Granular; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-014	5-6		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-015	5-7		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-016	6-1		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-017	6-2		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-018	6-3		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-019	6-4		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-020	6-5		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-021	6-6		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-022	6-7		Gray Granular; Homogeneous	NAD	2% Hair 98% Non-Fibrous
15-12-00014-023	7-1		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-024	7-2		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-025	7-3		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-026	8-1		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-027	8-2		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-028	8-3		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-029	9-1		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-030	9-2		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-031	9-3		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-032A	10-1	Tile	Gray Vinyl; Homogeneous	NAD	2% Synthetic 98% Non-Fibrous
15-12-00014-032B	10-1	Mastic	Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-033A	10-2	Tile	Gray Vinyl; Homogeneous	NAD	2% Synthetic 98% Non-Fibrous
15-12-00014-033B	10-2	Mastic	Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-034A	11-1	Tile	White/Black Vinyl; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-034B	11-1	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-035A	11-2	Tile	White/Black Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-035B	11-2	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-036	12-1		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-037	12-2		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-038	12-3		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-039	13-1		Tan Fibrous; Homogeneous	NAD	92% Cellulose 8% Non-Fibrous
15-12-00014-040	13-2		Tan Fibrous; Homogeneous	NAD	92% Cellulose 8% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-041	14-1		Tan Vinyl; Gray Fibrous; Inhomogeneous	NAD	25% Cellulose 10% Fibrous Glass 65% Non-Fibrous
15-12-00014-042	14-2		Tan Vinyl; Gray Fibrous; Inhomogeneous	NAD	25% Cellulose 10% Fibrous Glass 65% Non-Fibrous
15-12-00014-043	15-1		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-044	15-2		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-045	15-3		Off White Paint-Like; White Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-046A	16-1	Tile	Gray Vinyl; Homogeneous	4% Chrysotile	96% Non-Fibrous
				Total Asbestos: 4%	
15-12-00014-046B	16-1	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-047A	16-2	Tile		Did Not Analyze (Positive Stop)	

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00014-047B	16-2	Mastic	Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00014-048	17-1		White Powdery; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-12-00014-049	17-2		White Powdery; Brown Fibrous; Inhomogeneous	NAD	30% Cellulose 70% Non-Fibrous
15-12-00014-050	18-1		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-051	18-2		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00014-052	19-1		White Fibrous; Homogeneous	55% Chrysotile	25% Cellulose 20% Non-Fibrous
Total Asbestos: 55%					

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-12-00014

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 71-M12013-2

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Sami Hosn

Reviewed By Authorized Signatory: Melissa Kanode

Missy Kanode
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected



Analyst Signature Page

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 15-12-00014

Client: Sierra Environment Group Inc.
1041 Straight Street
Cincinnati, OH 45214

Received Date: 12/01/2015

Analyzed Date: 12/03/2015

Reported Date: 12/04/2015

Client Number: 36-6195

Project/Test Address: MCLB.002 - 1308-1310 Kumler

Analyst(s)

A handwritten signature in black ink that reads "Sami Hosn". The signature is written in a cursive style.

Sami Hosn



Environmental Hazards Services, LLC
 www.leadlab.com 7469 Whitepine Rd
 (800)347-4010 Richmond, VA 23237
 (804)275-4907 (fax)

Asbestos Chain-of-Custody

15-12-00014



Due Date:
 12/04/2015
 (Friday)
 AE M Inv S

City/State/Zip: Cincinnati, Ohio 45214

Acct. Number: 36-6195

Address: 1041 Straight Street

Phone: (513) 542-5323 Fax: (513) 542-6653 E-mail:

City/State (Required):

Project Name / Testing Address: MCLB. 002 - 1308 - 1310 Kumber

Purchase Order Number:

Collected by: C. Kutter

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	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)
1	1.1	11-29-15	X											Stop @ 157 (SAP)
2	1.2													SAP
3	2.1													SAP
4	2.2													SAP
5	3.1													SAP
6	3.2													SAP
7	4.1													SAP
8	4.2													SAP
9	5.1													SAP
10	5.2													SAP

Released by: Chris Kutter
 Signature: [Signature]

Received by: [Signature]
 Signature: [Signature]
 Date/Time: 11/30/15
 Date/Time: 12/1/15



Environmental Hazards Services, LLC

www.leadlab.com 7469 Whitepine Rd
(800)347-4010 Richmond, VA 23237
(804)275-4907 (fax)

Asbestos Chain-of-Custody

0614
~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, Ohio 45214
 Phone: (513) 542-5323 Fax: (513) 542-6653 E-mail: _____ Acct. Number: 36-6195
 Project Name / Testing Address: MCLB. 002 - 1308 - 1310 Kumba City/State (Required): _____
 Collected by: C. Kuthy Purchase Order Number: _____

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

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			Volume (Total Liters)	COMMENTS	
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)
1	S-3	11-29-15	✓											
2	S-4													
3	S-5													
4	S-6													
5	S-7													
6	S-1													
7	S-2													
8	S-3													
9	S-4													
10	S-5													

Released by: Clay S. Kuthy Signature: _____ Date/Time: 11/30/15
 Received by: S. N. Cobelli Signature: _____ Date/Time: 12/1/15



Environmental Hazards Services, LLC
 www.leadlab.com 7469 Whitepine Rd
 (800)347-4010 Richmond, VA 23237
 (804)275-4907 (fax)

Asbestos Chain-of-Custody

6014
 ~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street
 Phone: (513) 542-5323 Fax: (513) 542-6653 E-mail:
 Project Name / Testing Address: MCLB. 002 - 1310 Kimlon City/State (Required):
 Collected by: C. Kuehler Purchase Order Number:

City/State/Zip: Cincinnati, Ohio 45214
 Acct. Number: 36-6195

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	PLM/Point Count 400	PLM/Point Count 1000	PLM NY Protocol	TEM Charfield (Bulk)	TEM/HERA (Air)	Time On	Time Off	Flow Rate (L/min)			Total Time (minutes)
1	606	11-29-15	X											
2	607													
3	7.1													
4	7.2													
5	7.3													
6	8.1													
7	8.2													
8	8.3													
9	9.1													
10	9.2													
Released by:		C. Kuehler		Signature: [Signature]		Date/Time: 11-30-15		Date/Time: 12/1/15						
Received by:		S. Washburn		Signature: [Signature]		Date/Time: 12/1/15								



Environmental Hazards Services, LLC

www.leadlab.com 7469 Whitepine Rd
(800)347-4010 Richmond, VA 23237
(804)275-4907 (fax)

Asbestos Chain-of-Custody

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

Phone: (513) 542-5323 Fax: (513) 542-6653 E-mail:

Project Name / Testing Address: MCLB. 002 - 1308-1310 Kumber City/State (Required):

Collected by: C. Kuffner Purchase Order Number:

City/State/Zip: Cincinnati, Ohio 45214

Acct. Number: 36-6195

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	PLM Point Count 400	PLM Point Count 1000	PLM Nv Protocol	PCM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)	Total Time (minutes)
1	9.3	11-25-15	X												
2	10.1														↓ SAP
3	10.2														↓ SAP
4	11.1														↓ SAP
5	11.2														↓ SAP
6	12.1														↓ SAP
7	12.2														↓ SAP
8	12.3														↓ SAP
9	13.1														↓ SAP
10	13.2														↓ SAP

Released by: SN 10000115
Signature: [Signature]
Date/Time: 11.30.15.18

Signature: [Signature]
Date/Time: 12/1/15

6014
~ For Lab Use Only ~



EHS
Laboratories

Environmental Hazards Services, LLC

www.leadlab.com 7469 Whitepine Rd
(800)347-4070 Richmond, VA 23237
(804)275-4907 (fax)

Asbestos Chain-of-Custody

0014
~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc.

Address: 1041 Straight Street

City/State/Zip: Cincinnati, Ohio 45214

Phone: (513) 542-5323

Fax: (513) 542-6653

E-mail:

Acct. Number: 36-6195

Project Name / Testing Address: McLB. 002 - 1308. 1310 Kumber

City/State (Required):

Collected by: C. Kutter

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	PLM Post Count 400	PLM Post Count 1000	PLM Nv Protocol	PCM	TEM Grinded (Bulk)	TEM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)
1	14.1	11-25-15	X											SAP
2	14.2													SAP
3	15.1													SAP
4	15.2													SAP
5	15.3													SAP
6	16.1													SAP
7	16.2													SAP
8	17.1													SAP
9	17.2													SAP
10	18.1													SAP
Released by:		<u>C. Kutter</u>		Signature:		<u>[Signature]</u>		Signature:		<u>[Signature]</u>		Date/Time:		<u>11-30-15</u>
Received by:		<u>SNICOLK</u>		Signature:		<u>[Signature]</u>		Signature:		<u>[Signature]</u>		Date/Time:		<u>12/11/15</u>



Environmental Hazards Services, LLC
 www.leadlab.com 7469 Whitepine Rd
 (800)347-4070 Richmond, VA 23237
 (804)275-4907 (fax)

Asbestos Chain-of-Custody

0014
 ~ For Lab Use Only ~

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street
 Phone: (513) 542-3323 Fax: (513) 542-6653 E-mail:
 Project Name / Testing Address: MCLB. 002 - 1308 - 1310 Kumber City/State (Required):
 Collected by: C. Kutter Purchase Order Number:

City/State/Zip: Cincinnati, Ohio 45214

Acct. Number: 36-6195

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 Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TEM Grinded (Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/min)			Total Time (minutes)
1	1812	11-25-15	✓											
2	1911	↓	↓											✓
3														
4														
5														
6														
7														
8														
9														
10														

Released by: Chris Suttan
 Received by: S. Dickel
 Signature: [Signature] Signature: [Signature]
 Date/Time: 11.30.15 | 8
 Date/Time: 12.11.15



Environmental Hazards Services, L.L.C.
 7469 Whitepine Rd
 Richmond, VA 23237
 Telephone: 800.347.4010

Asbestos 400 Point Count Analysis Report

Client: Sierra Environment Group Inc.
 1041 Straight Street
 Cincinnati, OH 45214

Report Number: 15-12-00375

Received Date: 12/01/2015
Analyzed Date: 12/03/2015
Reported Date: 12/04/2015

Project/Test Address: MCLB.002 - 1308-1310 Kumler; EHS# 15-12-00014

Client Number:
 36-6195

Fax Number:
 513-542-6653

Laboratory Results

Lab Sample Number	Client Sample Number	Lab Gross Description	% Asbestos	Narrative ID
15-12-00375-001	1-1	Tan Brittle	1.25 % Chrysotile	
15-12-00375-002	3-1	Tan Brittle	1.50 % Chrysotile	

Reporting Limit: 0.25 % Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Sami Hosn



Reviewed By Authorized Signatory:

Julie Dickerson
 Laboratory Administrator

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172.

LEGEND NAD = No Asbestos Detected



Analyst Signature Page

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Report Number: 15-12-00375

Client: Sierra Environment Group Inc.
1041 Straight Street
Cincinnati, OH 45214

Received Date: 12/03/2015

Analyzed Date: 12/03/2015

Reported Date: 12/04/2015

Client Number: 36-6195

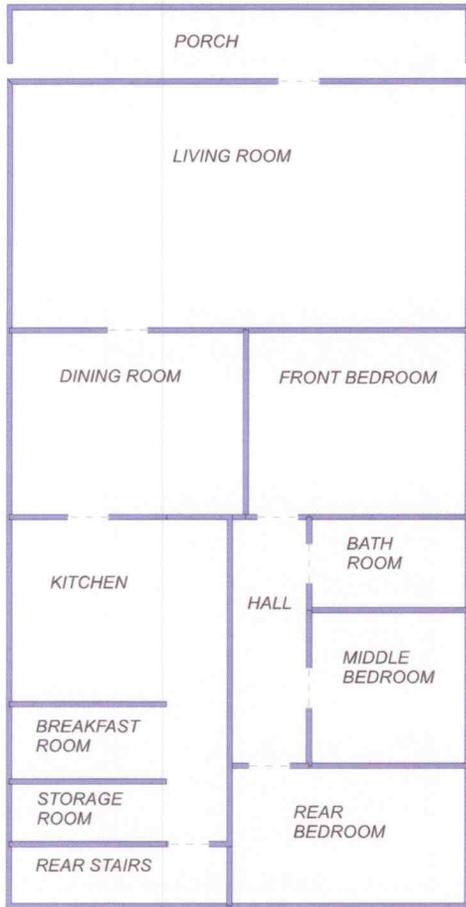
Project/Test Address: MCLB.002 - 1308-1310 Kumler; EHS# 15-12-00014

Analyst(s)

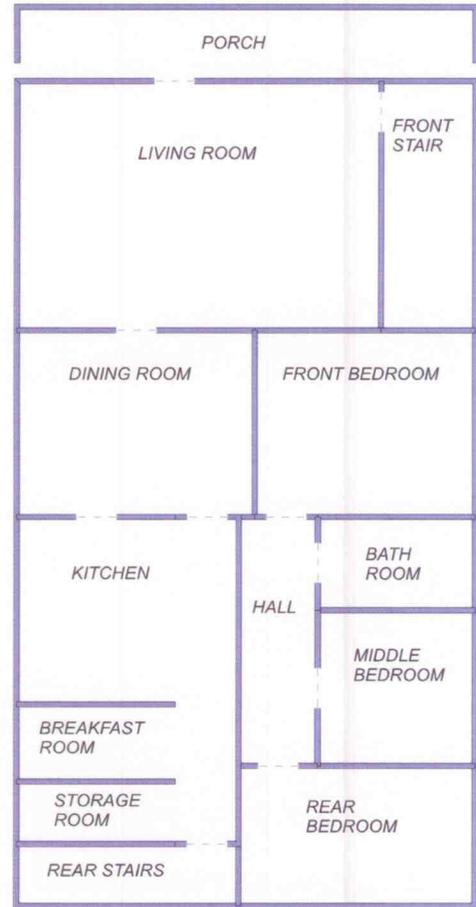
A handwritten signature in black ink that reads "Sami Hosn". The signature is written in a cursive style.

Sami Hosn

1308 - 1310 KUMLER AVENUE
FIRST FLOOR

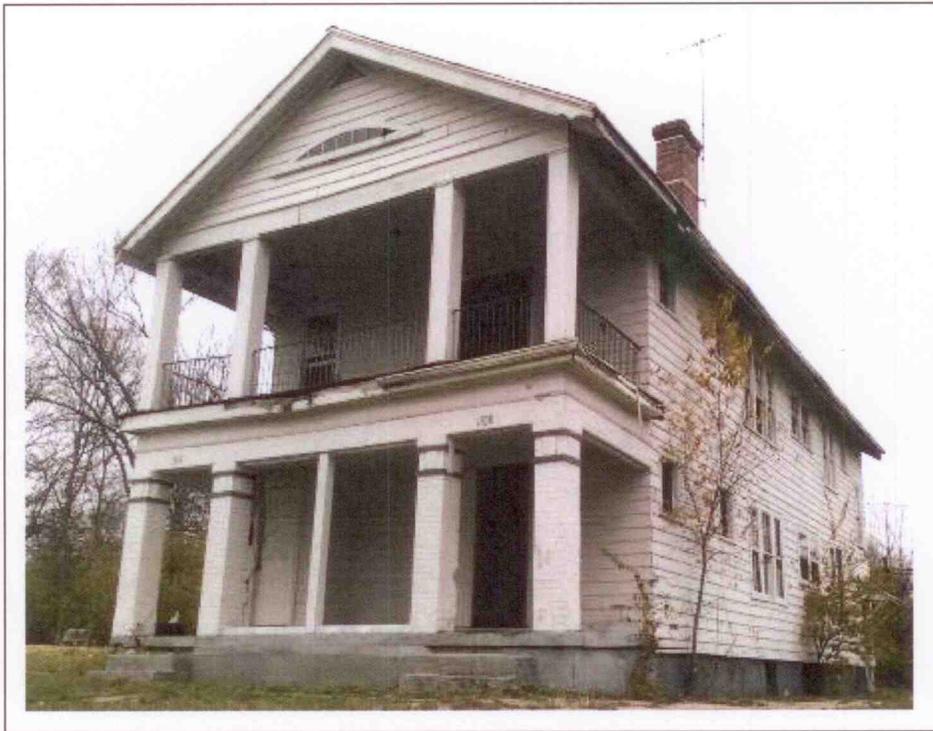


1308 - 1310 KUMLER AVENUE
SECOND FLOOR

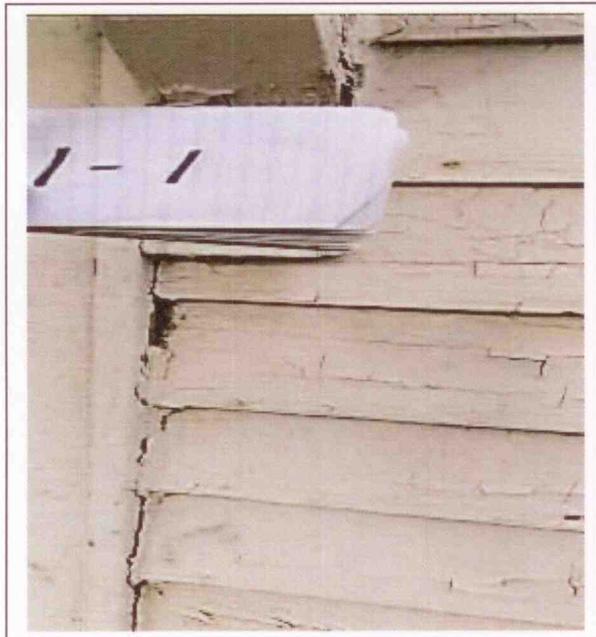


1308 - 1310 KUMLER AVENUE
BASEMENT

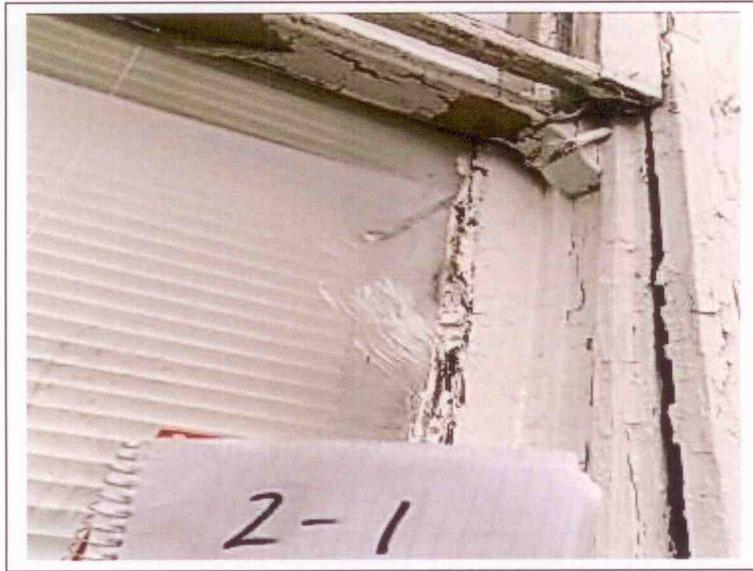




1308-1310 Kumler Avenue



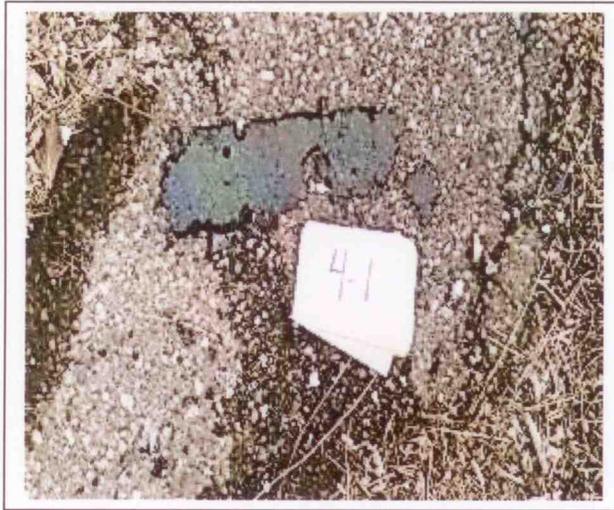
Door caulk



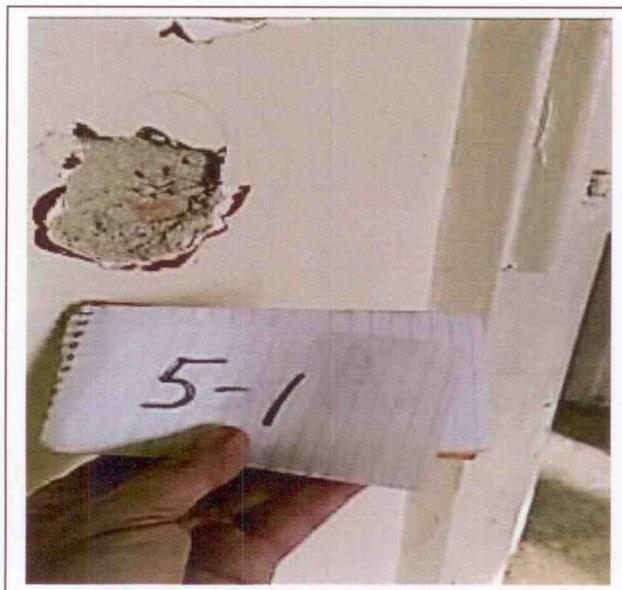
Window glaze



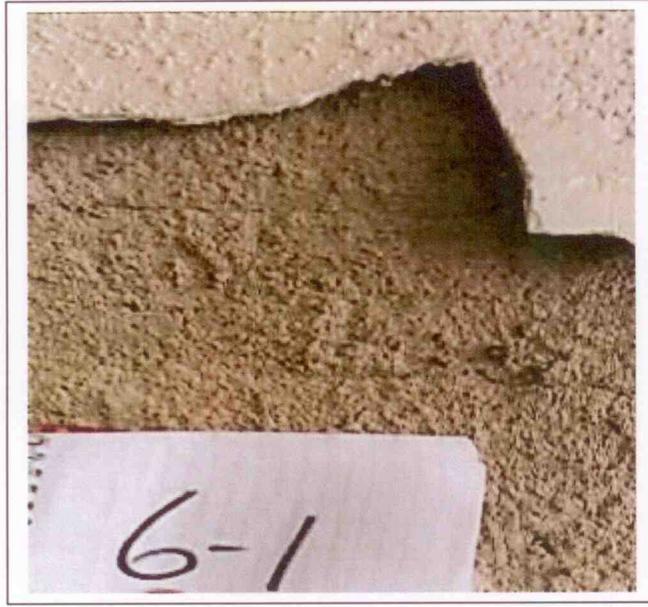
Window caulk



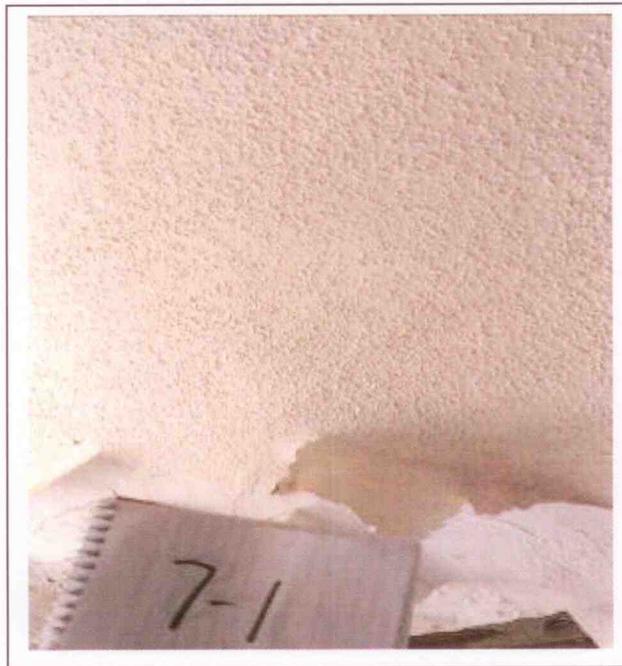
Asphalt roof shingle



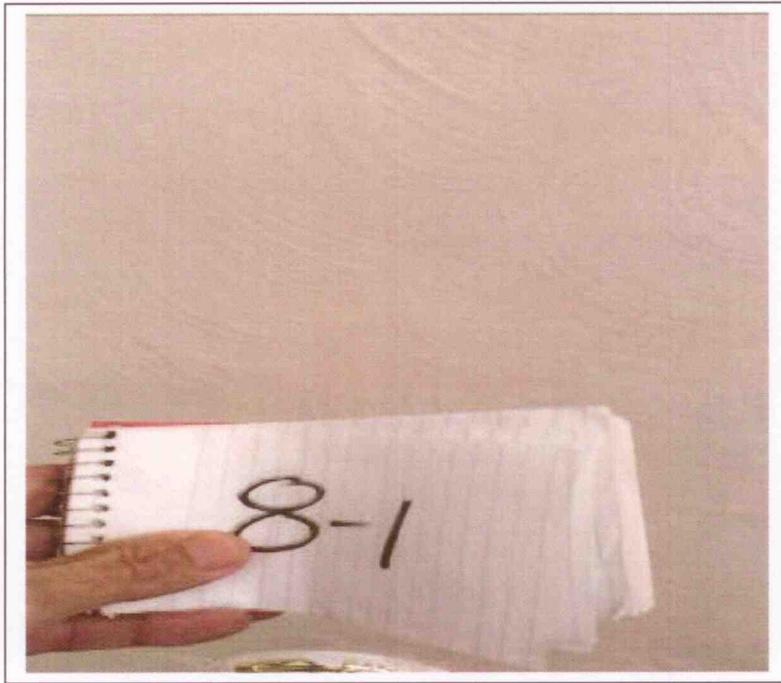
Skim coat



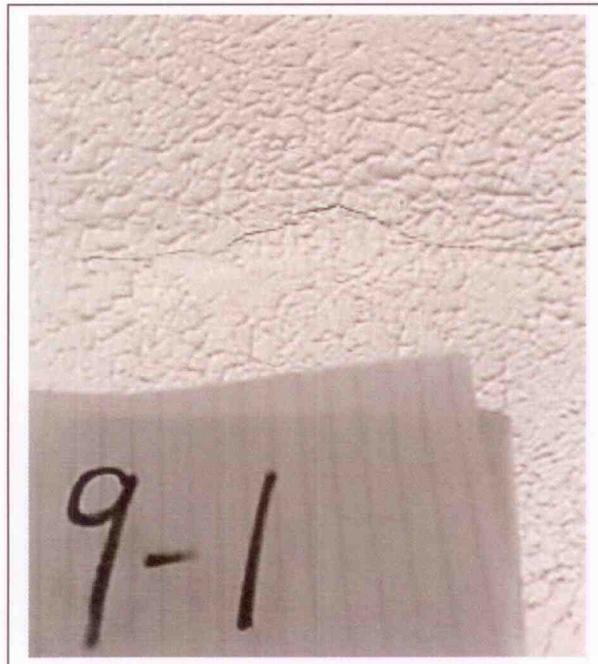
Hard wall and ceiling plaster



Rough white ceiling texture



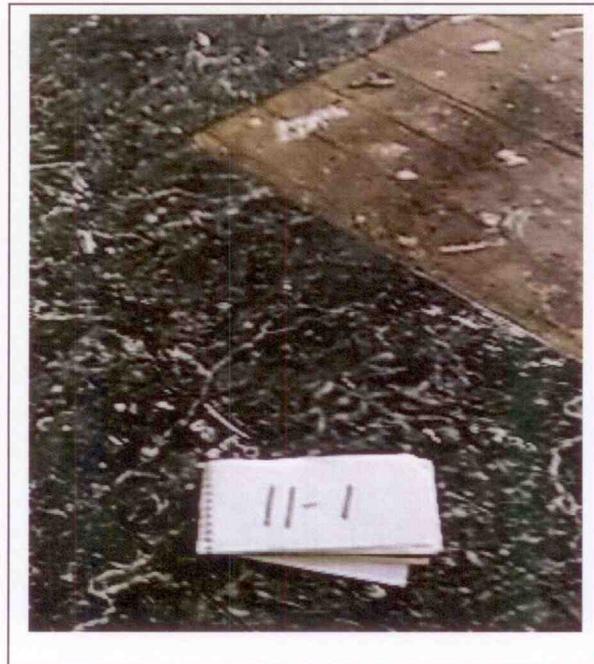
Swirl textured ceiling



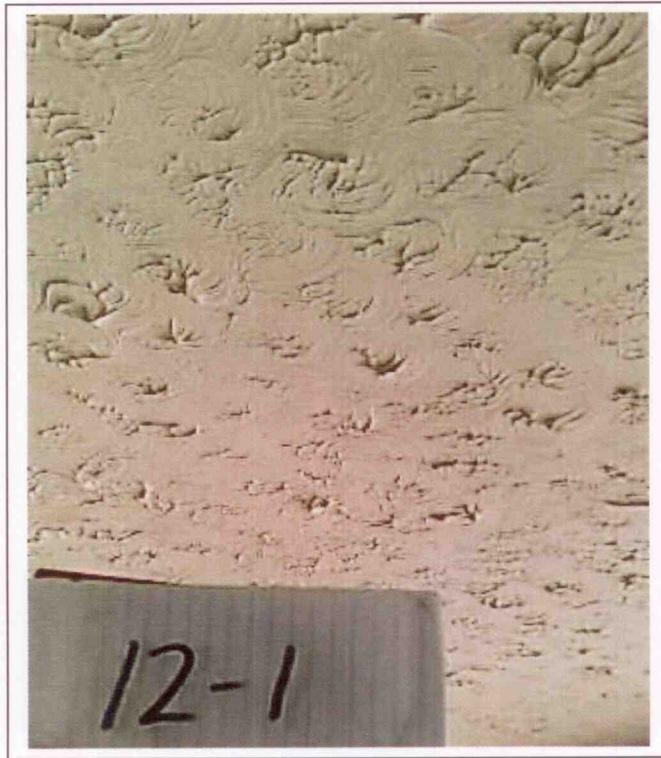
Ripple textured ceiling



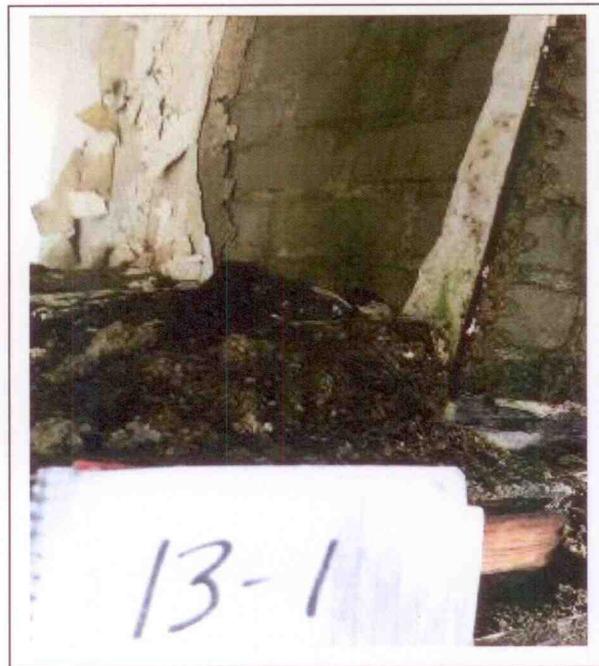
12" Tan sticky back floor tile



12" Grey sticky back tile



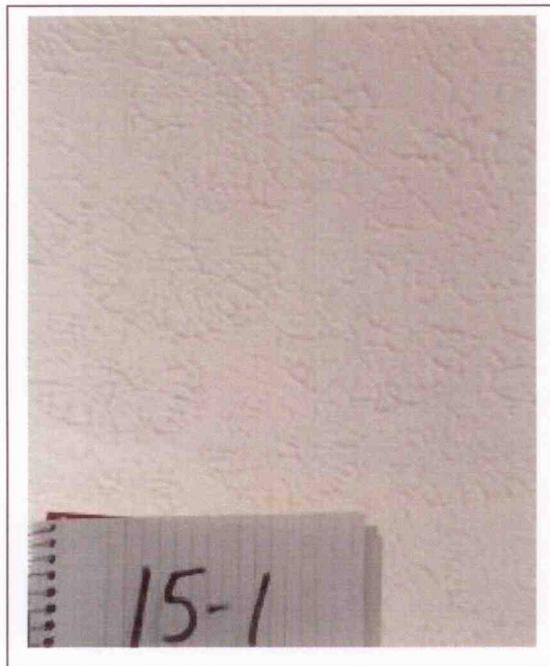
Lumpy textured ceiling



Blown-in insulation



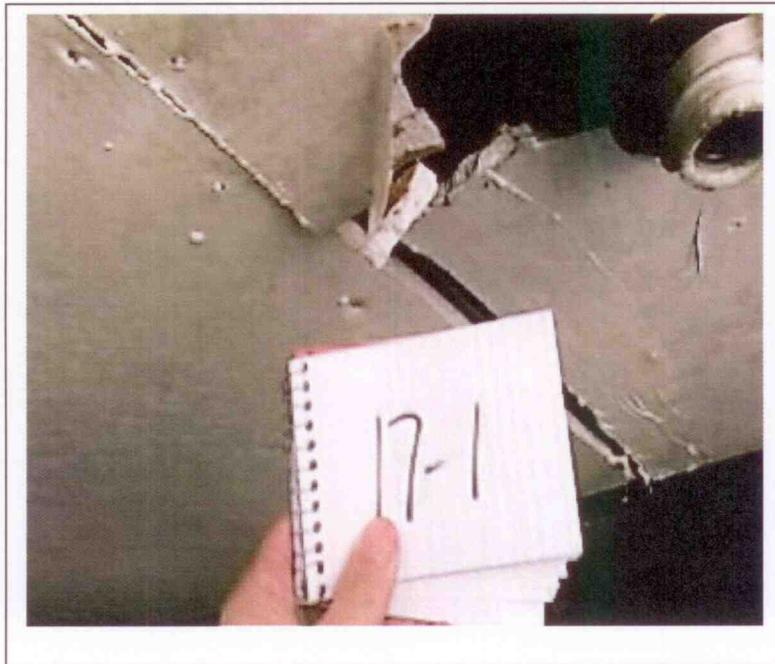
Tan square pattern linoleum



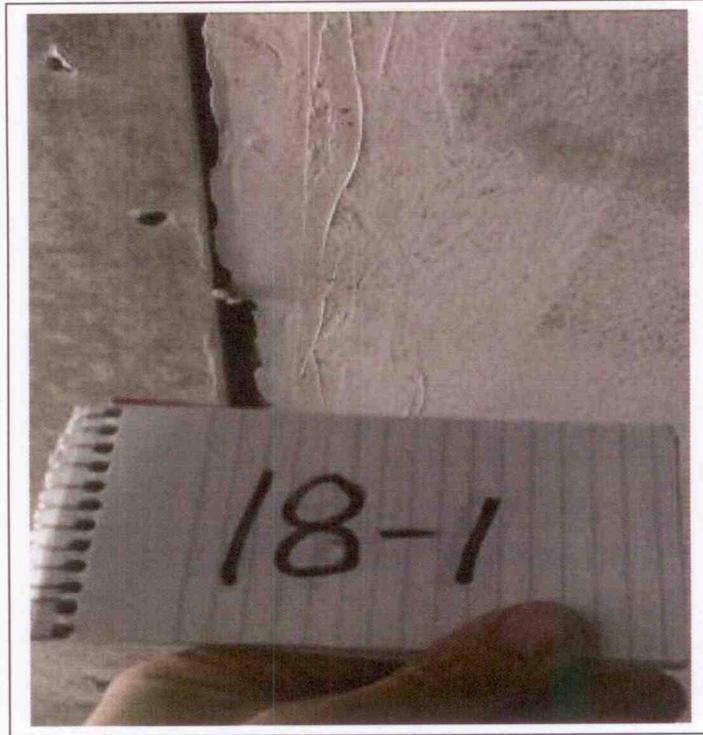
Flower pattern textured ceiling



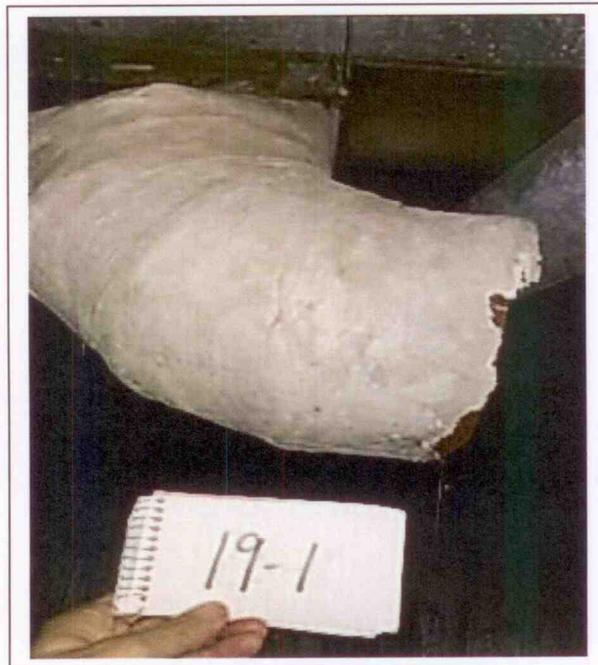
12" Grey pattern sticky-back tile



Drywall



Joint compound



Duct insulation

OHIO DEPARTMENT OF HEALTH

Division of Occupational Safety and Health
Asbestos Program
1000 East Broad Street, Columbus, OH 43260
614-467-2800

August 26, 2015

Christopher P Kuettner
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES33689
Expiration Date: 10/14/2016

Dear Christopher P Kuettner:

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



Christopher P Kuettner
Sierra Environmental Group, Inc.
1041 Straight Street
Cincinnati OH 45214

DOB 11/17/1956

Certification Number
ES33689

Expiration Date
10/14/2016

This certification is issued pursuant to Chapter 3701 of the Revised Code and 3701-34 of the Ohio Administrative Code.

Certification Card is not valid if altered.