



SIERRA ENVIRONMENTAL GROUP, INC.

December 14, 2015

Mr. Dennis Zimmer

City of Dayton

Department of Building Services/Division of Housing Inspection

P.O. Box 22

371 West 2nd Street, Room 324

Dayton, OH 45402

Re: Comprehensive Pre-Demolition Asbestos Inspection
Vacant Residence
3319 Susannah Avenue
Dayton, Ohio 45414
Sierra Project Number: MCLB.003

Dear Mr. Zimmer:

On December 2, 2015, Mr. Chuck Callahan (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES31960) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residence located at 3319 Susannah Avenue in Dayton, Ohio. The purpose of this visit was to conduct a comprehensive asbestos inspection of the specified residence scheduled for demolition. This inspection process includes a visual inspection, as well as, the collection and analyses of samples from suspect asbestos-containing materials.

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

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

Sierra collected samples from wall and ceiling systems, roofing materials, flooring materials, tar paper, cementitious heat shield, duct insulation and window caulk. Six (6) asbestos-containing materials were identified within the residence scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM), Category I and Category II asbestos-containing materials from this site prior to demolition would be \$6,950.00. 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 and 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 residence located at 3319 Susannah Avenue, Dayton, Ohio.					
Drywall (Miscellaneous)	Entry	1	1-1	None Detected	Nonfriable
Drywall (Miscellaneous)	Living room	1	1-2	None Detected	Nonfriable
Joint compound (Miscellaneous)	Entry	2	2-1	None Detected	Nonfriable
Joint compound (Miscellaneous)	Living room	2	2-2	None Detected	Nonfriable
12"x12" Brown sticky back floor tile (Miscellaneous)	Entry	3	3-1	None Detected	Nonfriable
12"x12" Brown sticky back floor tile (Miscellaneous)	Entry	3	3-2	None Detected	Nonfriable
9"x9" Black floor tile (Miscellaneous)	Entry	4	4-1	2% Chrysotile	Nonfriable
9"x9" Black floor tile (Miscellaneous)	Entry	4	4-2	Stopped Analysis	Nonfriable
9"x9" Tan floor tile (Miscellaneous)	Entry	5	5-1	2% Chrysotile	Nonfriable
9"x9" Tan floor tile (Miscellaneous)	Entry	5	5-2	Stopped Analysis	Nonfriable
Mastic associated with 9" black and tan floor tile (Miscellaneous)	Entry	6	6-1	None Detected	Nonfriable
Mastic associated with 9" black and tan floor tile (Miscellaneous)	Entry	6	6-2	None Detected	Nonfriable
12" Ceiling tile, smooth (Miscellaneous)	Rear living room	7	7-1	None Detected	Friable
12" Ceiling tile, smooth (Miscellaneous)	Rear living room	7	7-2	None Detected	Friable
Drywall, old (Miscellaneous)	Living room	8	8-1	None Detected	Nonfriable
Drywall, old (Miscellaneous)	Living room	8	8-2	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
12" Ceiling tile, symmetrical holes (Miscellaneous)	Kitchen	9	9-1	None Detected	Friable
12" Ceiling tile, symmetrical holes (Miscellaneous)	Kitchen	9	9-2	None Detected	Friable
White linoleum (Miscellaneous)	Kitchen	10	10-1	None Detected	Nonfriable
White linoleum (Miscellaneous)	Kitchen	10	10-2	None Detected	Nonfriable
Tar paper (Miscellaneous)	Kitchen	11	11-1	None Detected	Nonfriable
Tar paper (Miscellaneous)	Kitchen	11	11-2	None Detected	Nonfriable
9"x9" Red floor tile (Miscellaneous)	Kitchen	12	12-1	None Detected	Nonfriable
9"x9" Red floor tile (Miscellaneous)	Kitchen	12	12-2	None Detected	Nonfriable
Tar paper (Miscellaneous)	Kitchen	13	13-1	None Detected	Nonfriable
Tar paper (Miscellaneous)	Kitchen	13	13-2	None Detected	Nonfriable
Fiber board ceiling (Miscellaneous)	Living room	14	14-1	*0.50% Chrysotile	Nonfriable
Fiber board ceiling (Miscellaneous)	Dining room	14	14-2	*<0.25% Chrysotile	Nonfriable
Cementitious heat shield (Thermal System Insulation)	Basement	15	15-1	20% Chrysotile	Nonfriable
9"x9" Black floor tile (Miscellaneous)	Basement	16	16-1	7% Chrysotile	Nonfriable
9"x9" Black floor tile (Miscellaneous)	Basement	16	16-2	Stopped Analysis	Nonfriable
Mastic associated with 9" black floor tile (Miscellaneous)	Basement	17	17-1	None Detected	Nonfriable
Mastic associated with 9" black floor tile (Miscellaneous)	Basement	17	17-2	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
Duct insulation (Thermal System Insulation)	Basement	18	18-1	55% Chrysotile	Friable
Textured ceiling, rough (Surfacing, <1,000 sf)	Bathroom, 2nd floor	19	19-1	None Detected	Nonfriable
Textured ceiling, rough (Surfacing, <1,000 sf)	Bathroom, 2nd floor	19	19-2	None Detected	Nonfriable
Textured ceiling, rough (Surfacing, <1,000 sf)	Bathroom, 2nd floor	19	19-3	None Detected	Nonfriable
12"x12" White and brown floor tile (Miscellaneous)	Bathroom, 2nd floor	20	20-1	None Detected	Nonfriable
12"x12" White and brown floor tile (Miscellaneous)	Bathroom, 2nd floor	20	20-2	None Detected	Nonfriable
Mastic associated with 9" white and brown floor tile (Miscellaneous)	Bathroom, 2nd floor	21	21-1	None Detected	Nonfriable
Mastic associated with 9" white and brown floor tile (Miscellaneous)	Bathroom, 2nd floor	21	21-2	None Detected	Nonfriable
Window caulk (Miscellaneous)	Exterior	22	22-1	*1.75% Chrysotile	Friable
Window caulk (Miscellaneous)	Exterior	22	22-2	Stopped Analysis	Friable
Black asphalt roof shingle (Miscellaneous)	Exterior	23	23-1	None Detected	Nonfriable
Black asphalt roof shingle (Miscellaneous)	Exterior	23	23-2	None Detected	Nonfriable
Green asphalt roof shingle (Miscellaneous)	Exterior	24	24-1	None Detected	Nonfriable
Green asphalt roof shingle (Miscellaneous)	Exterior	24	24-2	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 residence located at 3319 Susannah Avenue, Dayton, Ohio.			
Entry	I	9" Black floor tile (under 12" Brown sticky back floor tile)	30 sf
Entry	I	9" Tan floor tile (under 12" Brown sticky back floor tile)	30 sf
Basement	I	9" Black floor tile	500 sf
Basement	II	Cementitious panel	15 sf
Basement	RACM	Duct insulation	1 sf
Basement to 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	80 sf
Exterior	II	Window caulk	23 windows

TABLE 3 - COST ESTIMATE

Location	Type ACM	Material Description	Cost for abatement (approx.)
The following asbestos-containing materials are located in the vacant residence located at 3319 Susannah Avenue, Dayton, Ohio.			
Entry	I	9" Black floor tile (under 12" brown sticky back floor tile)	\$250.00
Entry	I	9" Tan floor tile (under 12" brown sticky back floor tile)	\$250.00
Basement	I	9" Black floor tile	\$500.00
Basement	II	Cementitious panel	\$250.00
Basement	RACM	Duct insulation	\$250.00
Basement to 2nd floor	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$2,000.00
Exterior	II	Window caulk	\$3,450.00

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: 15-12-00329

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

Received Date: 12/03/2015
Analyzed Date: 12/07/2015, 12/08/2015
Reported Date: 12/08/2015

Project/Test Address: MCLB.003; 3319 Susannah

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
15-12-00329-001	1-1		White Powdery; Homogeneous	NAD	4% Cellulose 96% Non-Fibrous
15-12-00329-002	1-2		White Powdery; Brown Fibrous; Inhomogeneous	NAD	22% Cellulose 78% Non-Fibrous
15-12-00329-003	2-1		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-004	2-2		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-005	3-1		Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
 Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-006	3-2		Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-007	4-1		Black/Tan Vinyl; Homogeneous	2% Chrysotile	98% Non-Fibrous
				Total Asbestos: 2%	
15-12-00329-008	4-2			Did Not Analyze (Positive Stop)	
15-12-00329-009	5-1		Tan/Black Vinyl; Homogeneous	2% Chrysotile	98% Non-Fibrous
				Total Asbestos: 2%	
15-12-00329-010	5-2			Did Not Analyze (Positive Stop)	
15-12-00329-011	6-1		Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-012	6-2		Tan Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-013	7-1		Tan Paint-Like; Brown Fibrous; Inhomogeneous	NAD	90% Cellulose 10% Non-Fibrous
15-12-00329-014	7-2		Tan Paint-Like; Brown Fibrous; Inhomogeneous	NAD	90% Cellulose 10% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-015	8-1		Brown Powdery; Fibrous; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
15-12-00329-016	8-2		Brown Powdery; Fibrous; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
15-12-00329-017	9-1		Tan Paint-Like; Brown Fibrous; Inhomogeneous	NAD	90% Cellulose 10% Non-Fibrous
15-12-00329-018	9-2		Tan Paint-Like; Brown Fibrous; Inhomogeneous	NAD	90% Cellulose 10% Non-Fibrous
15-12-00329-019	10-1		Tan Vinyl; Gray Fibrous; Inhomogeneous	NAD	20% Cellulose 15% Fibrous Glass 65% Non-Fibrous
15-12-00329-020	10-2		Tan Vinyl; Gray Fibrous; Inhomogeneous	NAD	20% Cellulose 15% Fibrous Glass 65% Non-Fibrous
15-12-00329-021	11-1		Black Tar-Like Fibrous; Brown/Green Fibrous; Inhomogeneous	NAD	55% Cellulose 4% Hair 41% Non-Fibrous
15-12-00329-022	11-2		Black Tar-Like Fibrous; Brown/Green Fibrous; Inhomogeneous	NAD	55% Cellulose 4% Hair 41% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-023	12-1		Red Vinyl; Homogeneous	NAD	4% Cellulose 96% Non-Fibrous
15-12-00329-024	12-2		Red Vinyl; Homogeneous	NAD	4% Cellulose 96% Non-Fibrous
15-12-00329-025	13-1		Black Tar-Like Fibrous; Brown/Green Fibrous; Inhomogeneous	NAD	60% Cellulose 3% Hair 37% Non-Fibrous
15-12-00329-026	13-2		Black Tar-Like Fibrous; Brown/Green Fibrous; Inhomogeneous	NAD	60% Cellulose 3% Hair 37% Non-Fibrous
15-12-00329-027	14-1		Green Paint-Like; Blue Granular; Brown Fibrous; Inhomogeneous	Trace <1% Chrysotile	85% Cellulose 15% Non-Fibrous
Total Asbestos: Trace <1%					
<1% Chrysotile present in blue granular material.					
15-12-00329-028	14-2		Green Paint-Like; Blue Granular; Brown Fibrous; Inhomogeneous	Trace <1% Chrysotile	85% Cellulose 15% Non-Fibrous
Total Asbestos: Trace <1%					
<1% Chrysotile present in blue granular material.					
15-12-00329-029	15-1		Gray Cementitious; Homogeneous	20% Chrysotile	80% Non-Fibrous
Total Asbestos: 20%					
15-12-00329-030	16-1		Black Vinyl; Homogeneous	7% Chrysotile	93% Non-Fibrous
Total Asbestos: 7%					

Environmental Hazards Services, L.L.C

Client Number: 36-6195
 Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-031	16-2			Did Not Analyze (Positive Stop)	
15-12-00329-032	17-1		Black Tar-Like; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-033	17-2		Black Tar-Like; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-034	18-1		Gray Fibrous; Homogeneous	55% Chrysotile	25% Cellulose 20% Non-Fibrous
Total Asbestos: 55%					
15-12-00329-035	19-1		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00329-036	19-2		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00329-037	19-3		White Paint-Like; Granular; Inhomogeneous	NAD	100% Non-Fibrous
15-12-00329-038	20-1		Tan/Light Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
 Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-039	20-2		Tan/Light Brown Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-040	21-1		Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-041	21-2		Yellow Adhesive; Homogeneous	NAD	100% Non-Fibrous
15-12-00329-042	22-1		Tan Brittle; Homogeneous	3% Chrysotile	97% Non-Fibrous
				Total Asbestos: 3%	
15-12-00329-043	22-2			Did Not Analyze (Positive Stop)	
15-12-00329-044	23-1		White/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous
15-12-00329-045	23-2		White/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous
15-12-00329-046	24-1		White/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous

Environmental Hazards Services, L.L.C

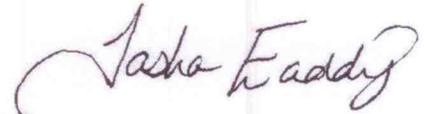
Client Number: 36-6195
Project/Test Address: MCLB.003; 3319 Susannah

Report Number: 15-12-00329

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-12-00329-047	24-2		White/Black Aggregate; Black Tar-Like; Inhomogeneous	NAD	15% Fibrous Glass 85% Non-Fibrous

QC Sample: 76-M22013-1, 77-M22010-4
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:



Tasha Eaddy
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: 15-12-00329

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

Received Date: 12/03/2015
Analyzed Date: 12/07/2015, 12/08/2015
Reported Date: 12/08/2015

Client Number: 36-6195

Project/Test Address: MCLB.003; 3319 Susannah

Analyst(s)

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

Sami Hosn

A second handwritten signature in black ink, identical to the first, reading "Sami Hosn".

Sami Hosn



Environmental Hazards Services, LLC

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

47 PLM

Asbestos Chain-of-Custody

15-12-00329



Due Date:
 12/08/2015
 (Tuesday)
 AE M Inv

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

City/State/Zip: Cincinnati, OH 45214

Phone: (513) 542-5323

E-mail:

Acct. Number: 36-6195

Project Name / Testing Address: MCLB. 003 - 3319 Susannah

City/State (Required):

Collected by: C. Callahan

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 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)			Total Time (minutes)
1	1-1	12-2-15	X											Step 1E Pos
2	2-1													Step 1E Pos
3	2-2													Step 1E Pos
4	3-1													Step 1E Pos
5	3-2													Step 1E Pos
6	4-1													Step 1E Pos
7	4-2													Step 1E Pos
8	5-1													Step 1E Pos
9	5-2													Step 1E Pos
10														

Released by: C. Callahan

Received by: Stone

Signature: [Signature]

Signature: [Signature]

Date/Time: 12-2-15

Date/Time: 12/3/15



Environmental Hazards Services, LLC

Asbestos Chain-of-Custody

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(800)347-4010 Richmond, VA 23237
(804)275-4907 (fax)

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~ 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: Acct. Number: 36-6195

Project Name / Testing Address: MCLB. 003 - City/State (Required):
Collected by: C. Callahan Purchase Order Number:

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

No.	Client Sample ID	Date Collected	ASBESTOS						AIR				COMMENTS		
			PLM	PLM Count 400	PLM Count 1000	PLM N/ Protocol	PCM	TEM Certified (Bulk)	TEMAHERA (Air)	Time On	Time Off	Flow Rate (L/min)		Total Time (minutes)	Volume (Total Liters)
1	6e-1	12-2-15	X												Step 1 $\frac{1}{2}$ Pos
2	6e-2		X												Step 1 $\frac{1}{2}$ Pos
3	7-1														Step 1 $\frac{1}{2}$ Pos
4	7-2														Step 1 $\frac{1}{2}$ Pos
5	8-1														Step 1 $\frac{1}{2}$ Pos
6	8-2														Step 1 $\frac{1}{2}$ Pos
7	9-1														Step 1 $\frac{1}{2}$ Pos
8	9-2														Step 1 $\frac{1}{2}$ Pos
9	10-1														Step 1 $\frac{1}{2}$ Pos
10	10-2														Step 1 $\frac{1}{2}$ Pos

Released by: C. Callahan Signature: [Signature] Date/Time: 12-2-15
Received by: T. Stone Signature: [Signature] Date/Time: 12/3/15



Asbestos Chain-of-Custody

Environmental Hazards Services, LLC

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

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~ 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: Acct. Number: 36-6195
 Project Name / Testing Address: MCLB. 003 - City/State (Required):
 Collected by: C. Callahan 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 Point Count 400	PLM Point Count 1000	PLM N7 Protocol	PCM	TEM (unfield) (Bulk)	TEM (AHERA) (Air)	Time On	Time Off			Flow Rate (L/min)
1	11-1	12-2-15												Step 1 1/2 Pos
2	11-2													Step 1 1/2 Pos
3	12-1													Step 1 1/2 Pos
4	12-2													Step 1 1/2 Pos
5	13-1													Step 1 1/2 Pos
6	13-2													Step 1 1/2 Pos
7	14-1													Step 1 1/2 Pos
8	14-2													Step 1 1/2 Pos
9	15-1													Step 1 1/2 Pos
10	16-1													Step 1 1/2 Pos

Released by: C. Callahan (Signature) Date/Time: 12-2-15
 Received by: Stone (Signature) Date/Time: 12/3/15



Environmental Hazards Services, LLC

Asbestos Chain-of-Custody

329
~ For Lab Use Only ~

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

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214
Phone: (513) 542-5323 Fax: () E-mail: Acct. Number: 36-6195
Project Name / Testing Address: MCLB. 003 - City/State (Required):
Collected by: C. Callahan Purchase Order Number:

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

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

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS						
			PLM Point Count 400	PLM Point Count 1000	PLM N ₂ Protocol	PCM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off	Flow Rate (L/min)		Total Time (minutes)	Volume (Total Liters)				
1	16-2	12-2-15	X															
2	17-1	}															Stop 1 1/2 Pos	
3	17-3																	
4	18-1																	
5	19-1																	Stop 1 1/2 Pos
6	19-2																	
7	19-3																	
8	20-1																	Stop 1 1/2 Pos
9	20-2																	
10	21-1																	Stop 1 1/2 Pos
Released by: C. Callahan												Signature:		Date/Time: 12-2-15				
Received by: Stone												Signature: [Signature]		Date/Time: 12/3/15				



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 Phone: (513) 542-5323 Fax: () E-mail: Acct. Number: 36-6195
 Project Name / Testing Address: MCLB. 003 - City/State (Required):
 Collected by: C. Callahan Purchase Order Number:

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

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			COMMENTS		
			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)	Volume (Total Liters)
1	21-2	12-2-15 X												
2	22-1													Stop 15 Pos
3	22-2													Stop 15 Pos
4	23-1													Stop 15 Pos
5	23-2													Stop 15 Pos
6	24-1													Stop 15 Pos
7	24-2													
8														
9														
10														

Released by: C. Callahan
 Received by: ESTONE

Signature: [Signature]
 Signature: [Signature]

Date/Time: 12-2-15
 Date/Time: 12/3/15



Asbestos 400 Point Count Analysis Report

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

Report Number: 15-12-00927

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

Received Date: 12/03/2015
Analyzed Date: 12/07/2015
Reported Date: 12/08/2015

Project/Test Address: MCLB.003; 3319 Susannah; EHS# 15-12-00329

Client Number:
36-6195

Fax Number:
513-542-6653

Laboratory Results

Lab Sample Number	Client Sample Number	Lab Gross Description	% Asbestos	Narrative ID
15-12-00927-001	14-1	Blue Granular	0.50 % Chrysotile	
15-12-00927-002	14-2	Blue Granular	<0.25 % Chrysotile	A12
15-12-00927-003	22-1	Tan Brittle	1.75 % Chrysotile	

Sample Narratives:

A12: Chrysotile fibers observed but did not fall under any counted points.

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:

Tasha Eaddy
QA/QC Clerk

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: 15-12-00927

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

Received Date: 12/08/2015

Analyzed Date: 12/07/2015

Reported Date: 12/08/2015

Client Number: 36-6195

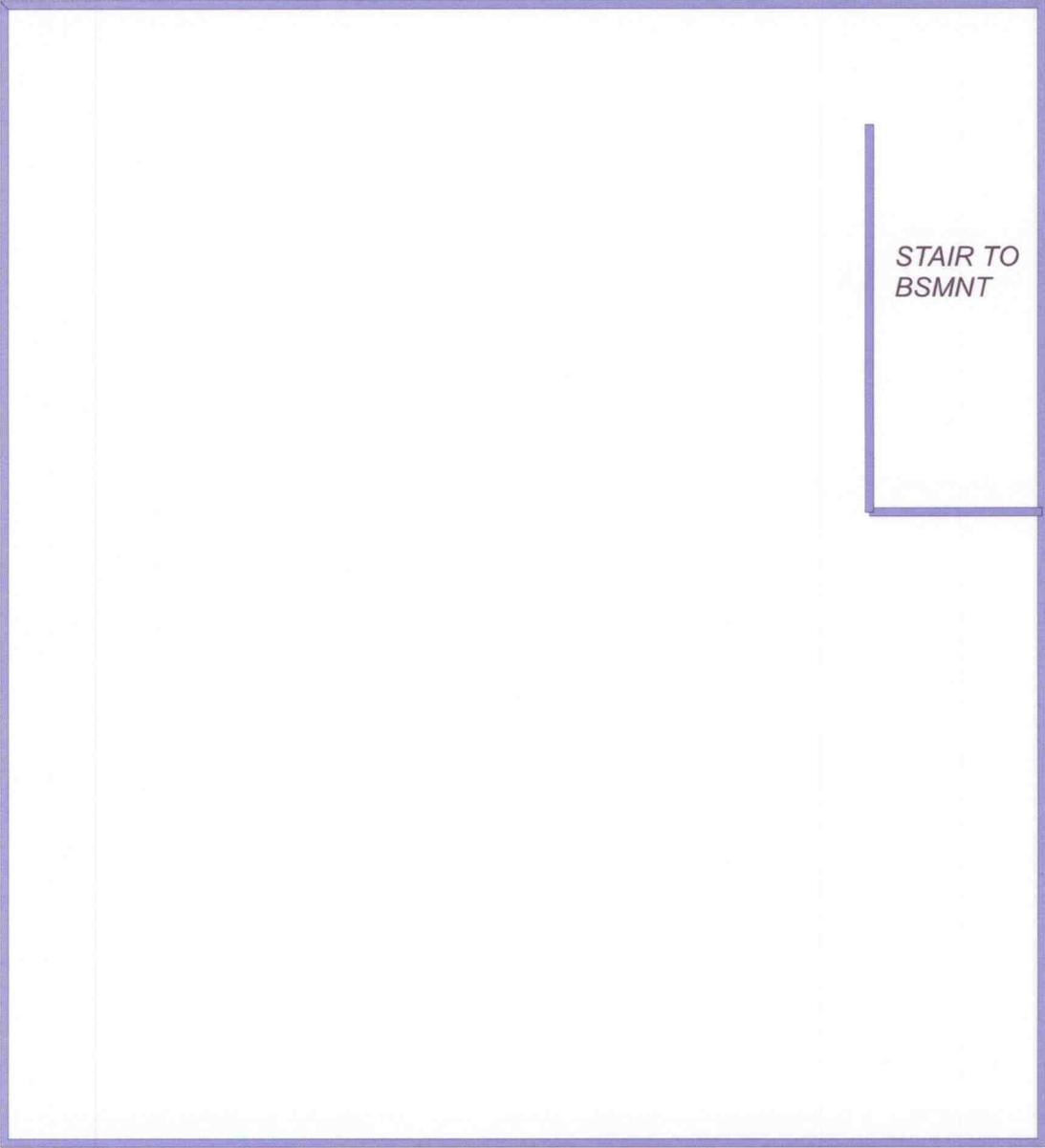
Project/Test Address: MCLB.003; 3319 Susannah; EHS# 15-12-00329

Analyst(s)

A handwritten signature in black ink, appearing to read "Sami Hosn". The signature is written in a cursive style with some loops and flourishes.

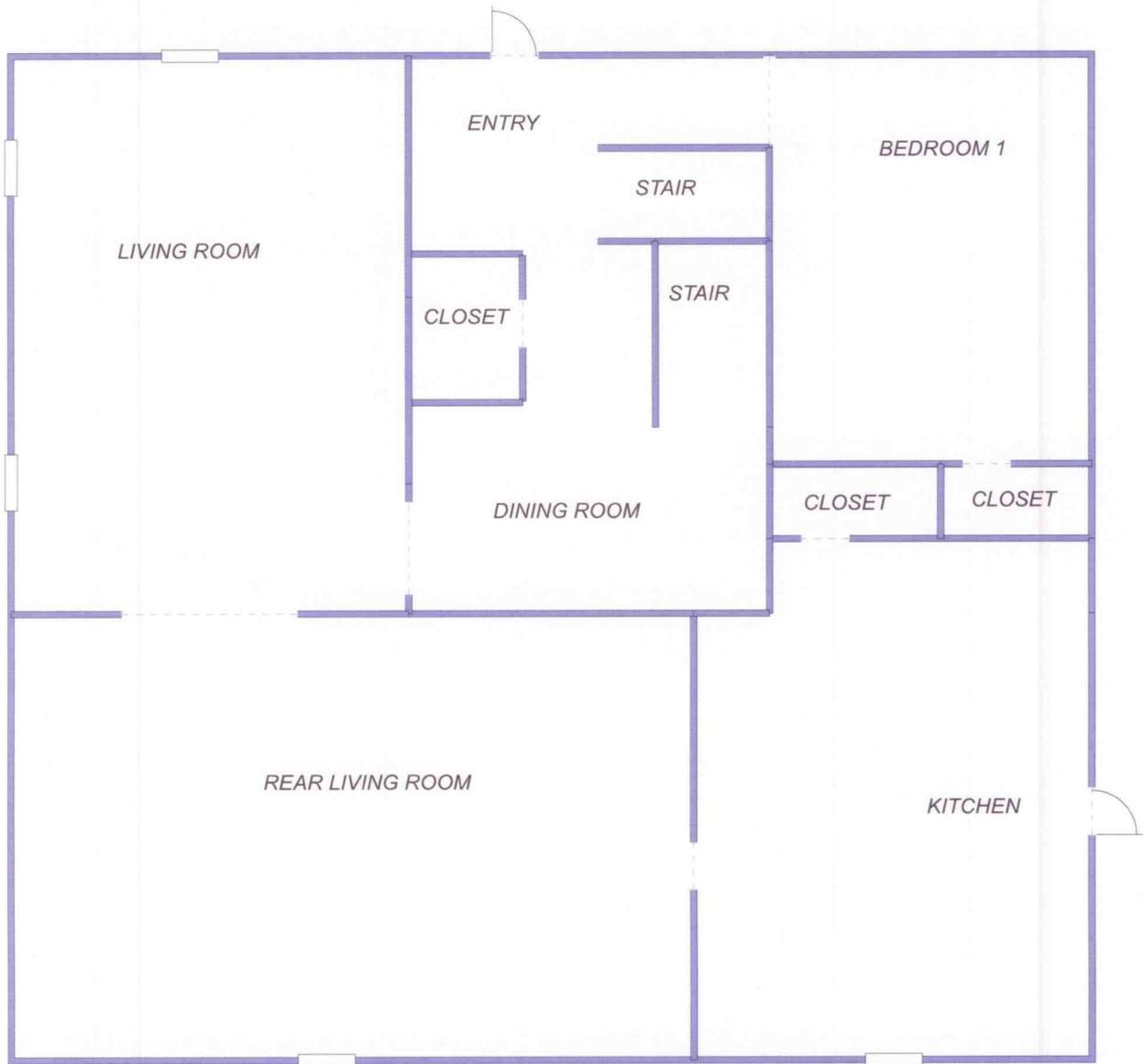
Sami Hosn

3319 SUSANNAH AVENUE
BASEMENT

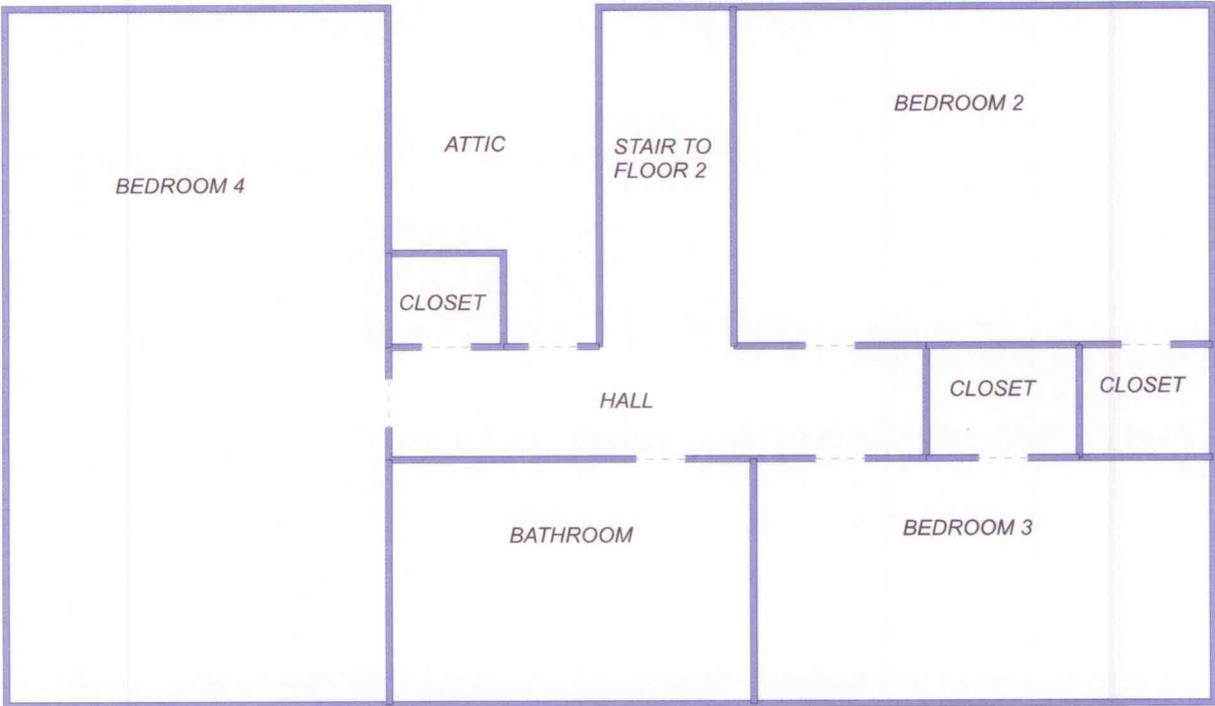


STAIR TO
BSMNT

3319 SUSANNAH AVENUE
FIRST FLOOR

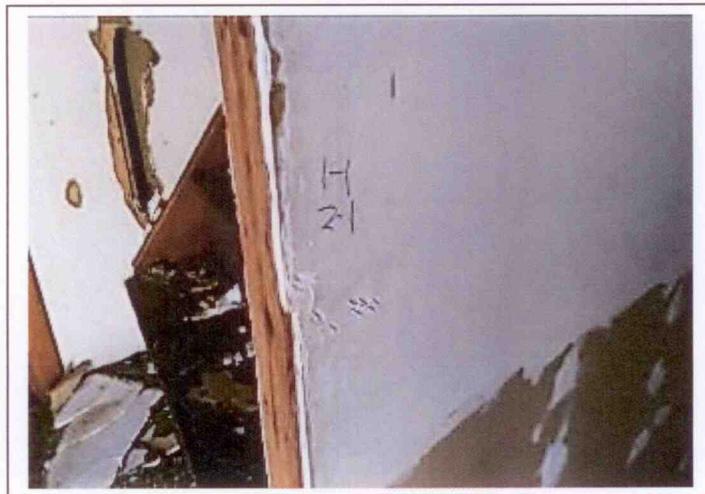


3319 SUSANNAH AVENUE
SECOND FLOOR





3319 Susannah Avenue



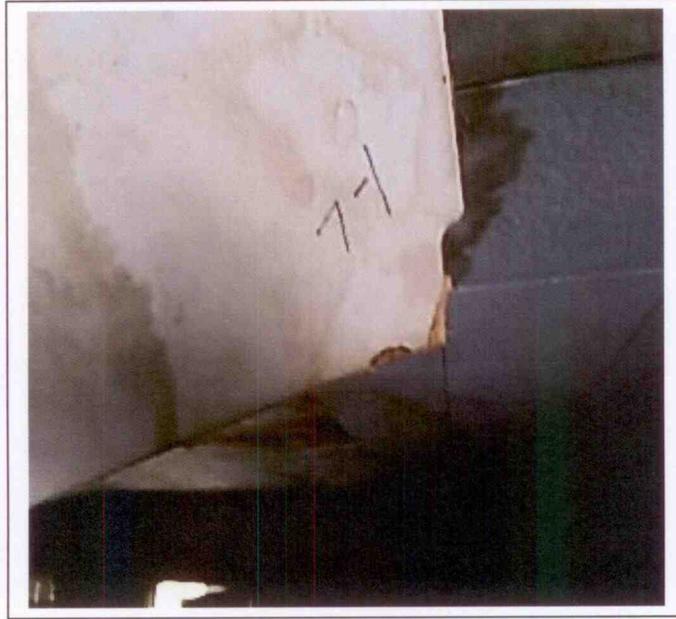
Drywall and associated joint compound



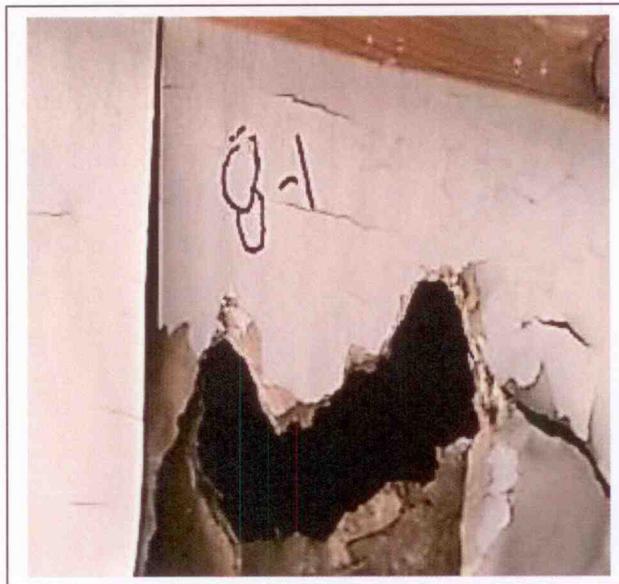
12" Brown floor tile



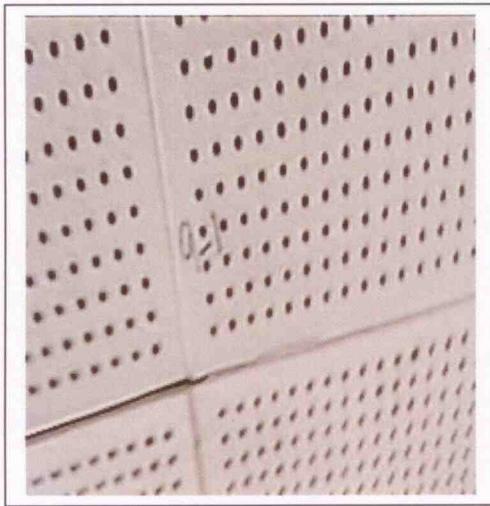
9" Black floor tile, 9" tan floor tile and associated mastic



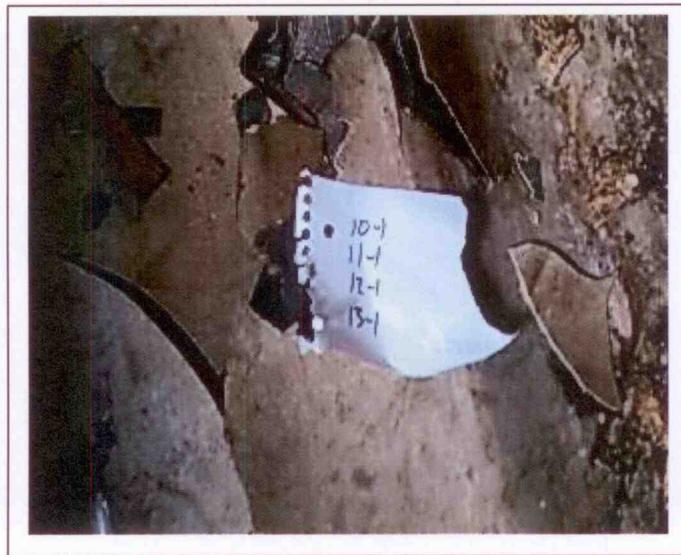
12" Ceiling tile



Drywall, old



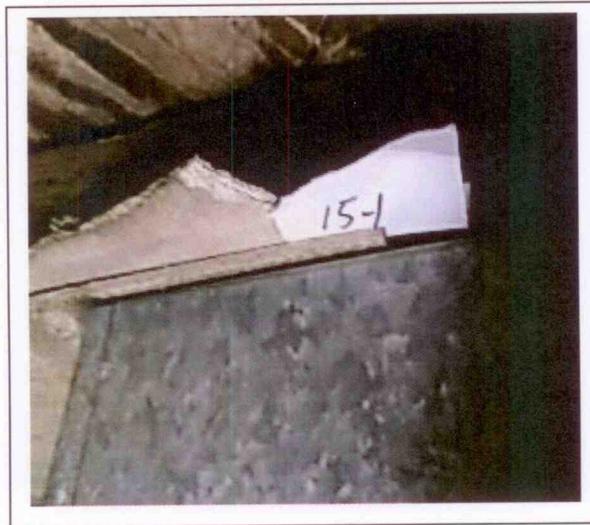
12" Ceiling tile with holes



White linoleum, tan linoleum, 9" floor tile and tar paper



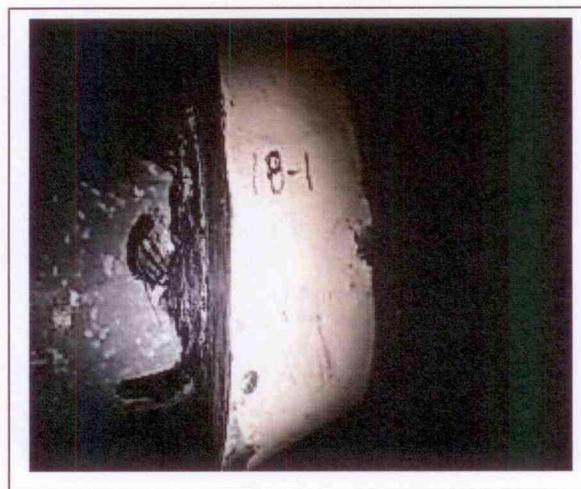
Drywall



Heat shield



9" Black floor tile and associated mastic



Duct insulation



Textured ceiling, rough



12" White floor tile and associated mastic



Exterior window caulk



Asphalt roof shingle



Asphalt roof shingle over bay window



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

November 13, 2015

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

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES31960
Expiration Date: 11/13/2016

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 Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

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

