



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
2060-2062 Ravenwood Avenue
Dayton, Ohio 45406
Sierra Project Number: MCLB.002

Dear Mr. Zimmer:

On November 27, 2015, Mr. Todd Taylor (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES32139) of Sierra Environmental Group, Inc. (Sierra) visited the vacant residences located at 2060-2062 Ravenwood 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, roofing materials, ceiling tiles, window glaze, flooring materials and duct insulation. Two (2) asbestos-containing materials were identified within the residences scheduled for demolition (Table -2 Asbestos Inventory). The cost to remove the Regulated Asbestos-Containing Materials (RACM) from this site prior to demolition would be \$6,350.00. 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 residences located at 2060-2062 Ravenwood Avenue, Dayton, Ohio.					
Window glaze (Miscellaneous)	Exterior	1	1-1	None Detected	Friable
Window glaze (Miscellaneous)	Exterior	1	1-2	None Detected	Friable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 2062 side	2	2-1	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 2062 side	2	2-2	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell, 2062 side	2	2-3	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Basement stairwell, 2062 side	2	2-4	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 2060 side	2	2-5	None Detected	Nonfriable
Skim coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 2060 side	2	2-6	None Detected	Nonfriable
Skim coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell, 2060 side	2	2-7	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 2062 side	3	3-1	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 2062 side	3	3-2	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell, 2062 side	3	3-3	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Basement stairwell, 2062 side	3	3-4	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Kitchen, 2060 side	3	3-5	None Detected	Nonfriable
Brown coat of hard ceiling plaster (Surfacing, >5,000 sf)	Kitchen, 2060 side	3	3-6	None Detected	Nonfriable
Brown coat of hard wall plaster (Surfacing, >5,000 sf)	Basement stairwell, 2060 side	3	3-7	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Living room, 2062 side	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
Textured wall (Surfacing, >5,000 sf)	Dining room, 2062 side	4	4-2	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Hallway, 2062 side	4	4-3	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Living room, 2060 side	4	4-4	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Dining room, 2060 side	4	4-5	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Hallway, 2060 side	4	4-6	None Detected	Nonfriable
Textured wall (Surfacing, >5,000 sf)	Living room, 2060 side	4	4-7	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen, 2062 side	5	5-1	None Detected	Nonfriable
12"x12" Tan sticky back floor tile (Miscellaneous)	Kitchen, 2062 side	5	5-2	None Detected	Nonfriable
2'x4' Suspended ceiling tile with holes and fissures (Miscellaneous)	Kitchen, 2062 side	6	6-1	None Detected	Friable
2'x4' Suspended ceiling tile with holes and fissures (Miscellaneous)	Kitchen, 2062 side	6	6-2	None Detected	Friable
Duct insulation (Thermal System Insulation)	Basement, 2062 side	7	7-1	65% Chrysotile	Friable
2'x4' Suspended ceiling tile, rough (Miscellaneous)	Kitchen, 2062 side	8	8-1	None Detected	Friable
2'x4' Suspended ceiling tile, rough (Miscellaneous)	Kitchen, 2062 side	8	8-2	None Detected	Friable
Textured ceiling (Surfacing, <1,000 sf)	Living room, 2062 side	9	9-1	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Dining room, 2062 side	9	9-2	None Detected	Nonfriable
Textured ceiling (Surfacing, <1,000 sf)	Dining room, 2062 side	9	9-3	None Detected	Nonfriable
Multi-colored linoleum (Miscellaneous)	Basement stairwell, 2062 side	10	10-1	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
Multi-colored linoleum (Miscellaneous)	Basement stairwell, 2062 side	10	10-2	None Detected	Nonfriable
Tan linoleum (Miscellaneous)	Bathroom, 2062 side	11	11-1	None Detected	Nonfriable
Tan linoleum (Miscellaneous)	Bathroom, 2062 side	11	11-2	None Detected	Nonfriable
Black and white sheet flooring (Miscellaneous)	Basement, 2060 side	12	12-1	None Detected	Nonfriable
Black and white sheet flooring (Miscellaneous)	Basement, 2060 side	12	12-2	None Detected	Nonfriable
Heat shield (Thermal System Insulation)	Basement, 2060 side	13	13-1	65% Chrysotile	Nonfriable
Heat shield (Thermal System Insulation)	Basement, 2060 side	13	13-2	Stopped Analysis	Nonfriable
Black and grey asphalt shingles (Miscellaneous)	Garage	14	14-1	None Detected	Nonfriable
Black and grey asphalt shingles (Miscellaneous)	Garage	14	14-2	None Detected	Nonfriable
Green asphalt roof shingle (Miscellaneous)	Exterior	15	15-1	None Detected	Nonfriable
Green asphalt roof shingle (Miscellaneous)	Exterior	15	15-2	None Detected	Nonfriable

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 2060-2062 Ravenwood Avenue, Dayton.			
Basement, 2060 side	RACM	Duct insulation	40 sf
Basement to 2nd floor, 2060 side	RACM	Heat shield	10 sf
Basement to 2nd floor, 2060 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 sf
Basement, 2062 side	RACM	Duct insulation	15 sf
Basement, 2062 side	RACM	Duct insulation debris	50 sf
Basement to 2nd floor, 2060 side	RACM	Heat shield	5 sf
Basement to 2nd floor, 2060 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	75 sf

Table 2-1

TABLE 3 - COST ESTIMATE

Location	Type ACM	Material Description	Cost for abatement (approx.)
The following asbestos-containing materials are located in the vacant residences located at 2060-2062 Ravenwood Avenue, Dayton.			
Basement, 2060 side	RACM	Duct insulation	\$800.00
Basement, 2060 side	RACM	Heat shield	\$250.00
Basement to 2nd floor, 2060 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00
Basement, 2062 side	RACM	Duct insulation	\$300.00
Basement, 2062 side	RACM	Duct insulation debris	\$1,000.00
Basement, 2062 side	RACM	Heat shield	\$250.00
Basement to 2nd floor, 2062 side	RACM	Duct insulation (concealed behind hard wall and ceiling plaster)	\$1,875.00

Table 3-1



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

Asbestos Bulk Analysis Report

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

Report Number: 15-11-03567

Received Date: 11/30/2015
Analyzed Date: 12/02/2015
Reported Date: 12/02/2015

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

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
15-11-03567-001	1-1		Tan Granular; Red Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-002	1-2		Tan Granular; Red Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-003	2-1		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-004	2-2		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-005	2-3		White Granular; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-11-03567

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-006	2-4		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-007	2-5		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-008	2-6		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-009	2-7		White Granular; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-010	3-1		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-011	3-2		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-012	3-3		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-013	3-4		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-11-03567

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-014	3-5		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-015	3-6		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-016	3-7		Gray Granular; Homogeneous	NAD	1% Hair 99% Non-Fibrous
15-11-03567-017	4-1		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-018	4-2		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-019	4-3		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-020	4-4		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Report Number: 15-11-03567

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-021	4-5		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-022	4-6		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-023	4-7		White Granular; White Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-024	5-1		Beige Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-025	5-2		Beige Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-026	6-1		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
15-11-03567-027	6-2		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-11-03567

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-028	7-1		White Fibrous; Homogeneous	65% Chrysotile	25% Cellulose 10% Non-Fibrous
Total Asbestos: 65%					
15-11-03567-029	8-1		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
15-11-03567-030	8-2		Gray/White Fibrous; Inhomogeneous	NAD	55% Cellulose 35% Fibrous Glass 10% Non-Fibrous
15-11-03567-031	9-1		Beige Chalky; Beige Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-032	9-2		Beige Chalky; Beige Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-033	9-3		Beige Chalky; Beige Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-11-03567-034	10-1		Beige Vinyl; Black Fibrous; Inhomogeneous	NAD	55% Cellulose 10% Synthetic 35% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 15-11-03567

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-035	10-2		Beige Vinyl; Black Fibrous; Inhomogeneous	NAD	55% Cellulose 10% Synthetic 35% Non-Fibrous
15-11-03567-036	11-1		Beige Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 10% Fibrous Glass 65% Non-Fibrous
15-11-03567-037	11-2		Beige Vinyl; Beige Fibrous; Inhomogeneous	NAD	25% Cellulose 5% Fibrous Glass 70% Non-Fibrous
15-11-03567-038A	12-1	Tile	White Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-038B	12-1	Linoleum	Beige Vinyl; Gray Fibrous; Inhomogeneous	NAD	65% Cellulose 5% Synthetic 30% Non-Fibrous
15-11-03567-039A	12-2	Tile	White Vinyl; Homogeneous	NAD	100% Non-Fibrous
15-11-03567-039B	12-2	Linoleum	Beige Vinyl; Gray Fibrous; Inhomogeneous	NAD	65% Cellulose 5% Synthetic 30% Non-Fibrous
15-11-03567-040	13-1		White Fibrous; Homogeneous	65% Chrysotile	15% Cellulose 20% Non-Fibrous
Total Asbestos:				65%	

Environmental Hazards Services, L.L.C

Client Number: 36-6195
Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Report Number: 15-11-03567

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-11-03567-041	13-2			Did Not Analyze (Positive Stop)	
15-11-03567-042	14-1		Black Tar-Like; White/Brown /Green Aggregate; Inhomogeneous	NAD	25% Cellulose 5% Synthetic 70% Non-Fibrous
15-11-03567-043	14-2		Black Tar-Like; White/Brown/Green Aggregate; Inhomogeneous	NAD	25% Cellulose 5% Synthetic 70% Non-Fibrous
15-11-03567-044	15-1		Black Tar-Like; Green Aggregate; Inhomogeneous	NAD	25% Cellulose 5% Synthetic 70% Non-Fibrous
15-11-03567-045	15-2		Black Tar-Like; Green Aggregate; Inhomogeneous	NAD	25% Cellulose 5% Synthetic 70% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 36-6195
Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Report Number: 15-11-03567

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: Kathy Fletcher

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

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

Client Number: 36-6195

Report Number: 15-11-03567

Received Date: 11/30/2015

Analyzed Date: 12/02/2015

Reported Date: 12/02/2015

Project/Test Address: MCLB.002 - 2060-2062 Ravenwood Ave

Analyst(s)

Kathy S. Fletcher

Kathy Fletcher



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

Asbestos Chain-of-Custody

15-11-03567



Due Date:
 12/03/2015
 (Thursday)
 AE M Inv

45 PLM

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. 002 - 2060 - 2062 Ramwood Av City/State (Required): _____

Collected by: T. Taylor Purchase Order Number: _____

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

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	TGM Certified (Bulk)	TGM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)	Total Time (minutes)
1	1-1	11-27-15	-											Stop at 1 st position = STOP	
2	1-2	↓	-											STOP	
3	2-1		-											↓ STOP	
4	2-2		-												
5	2-3		-												
6	2-4		-												
7	2-5		-												
8	2-6		-												
9	2-7		-												
10	3-1		-												STOP ↓

Released by: T. Taylor

Signature: [Signature]

Date/Time: 11/30/15

Received by: DSB

Signature: [Signature]

Date/Time: 11/30/15



EHS
Laboratories

Environmental Hazards Services, LLC

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

Asbestos Chain-of-Custody

03567

~ 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.002- City/State (Required): _____

Collected by: T. Taylor Purchase Order Number: _____

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

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			Volume (Total Liters)	COMMENTS	
			PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	PCM	TGM Certified (Bulk)	TGM AHERA (Air)	Time On	Time Off			Flow Rate (L/min)
1	4-5	11-27-15	-											
2	4-6		-											
3	4-7		-											
4	5-1		-											STP
5	5-2		-											↓
6	6-1		-											STP
7	6-2		-											↓
8	7-1		-											STP
9	8-1		-											↓
10	8-2		-											STP

Released by: T. Taylor

Signature: [Signature]

Date/Time: 11/30/15

Received by: [Signature]

Signature: [Signature]

Date/Time: 11/30/15



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

03567

~ 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: T. Taylor MCLB. 002- City/State (Required):

Collected by: T. Taylor Purchase Order Number:

Turn Around Times: 2 - Day 3 - 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 NV Protocol	PCM	TEM Certified (Bulk)	TEM AHERA (Air)	Time On	Time Off		
1	9-1	11-27-15	-										STP
2	9-2	↓	-										↓
3	9-3		-										STP
4	10-1		-										↓
5	10-2		-										STP
6	11-1		-										↓
7	11-2		-										STP
8	12-1		-										↓
9	12-2		-										STP
10	13-1		↓	-									↓

Released by: T. Taylor

Signature: *[Signature]*

Date/Time:

Received by: *[Signature]*

Signature: *[Signature]*

Date/Time: 11/30/15



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

03567

~ 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: T. Iak MCLB. 002-

City/State (Required):

Collected by: T. Iak Purchase Order Number:

Turn Around Times: 1 - Day 2 - Day 3 - Day

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

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)	Total Time (minutes)
1	B-2	11-27-15	-												
2	14-1	↓	-												↓ STY
3	14-2	↓	-												↓ STP
4	15-1	↓	-												↓
5	15-2	↓	-												↓
6															
7															
8															
9															
10															

Released by: T. Iak

Signature: [Signature]

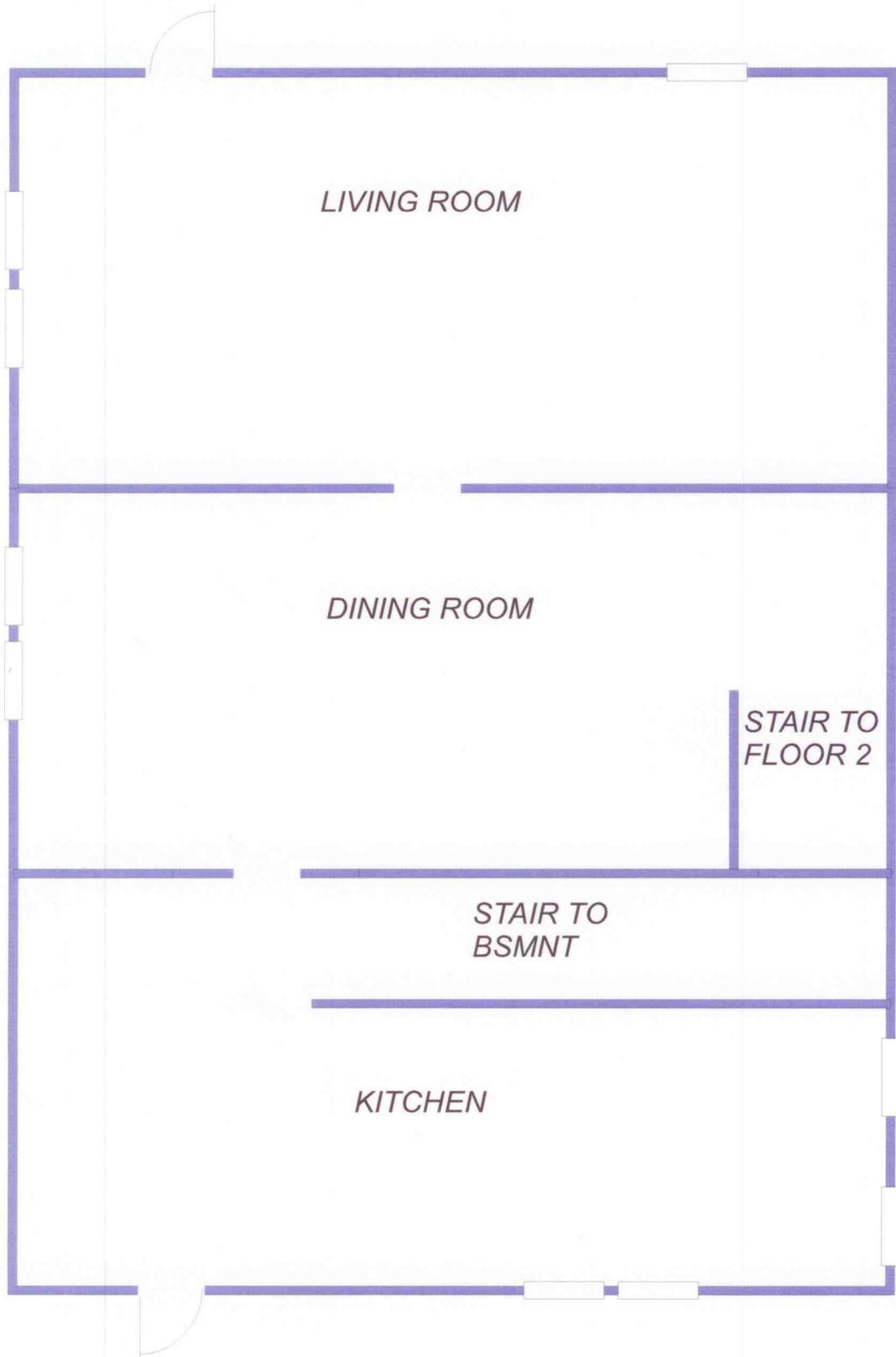
Date/Time: 1/30/15

Received by: [Signature]

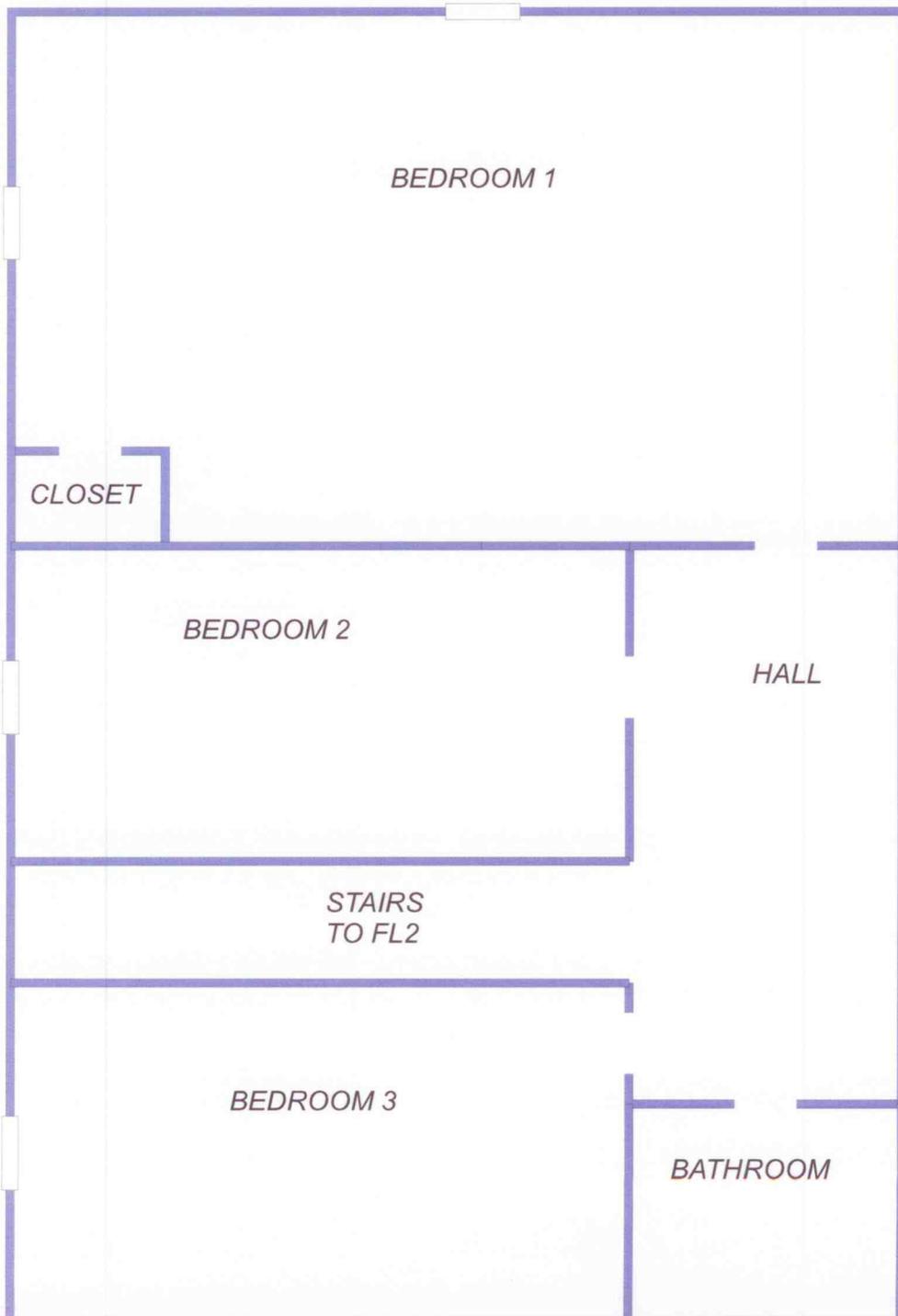
Signature: [Signature]

Date/Time: 1/30/15

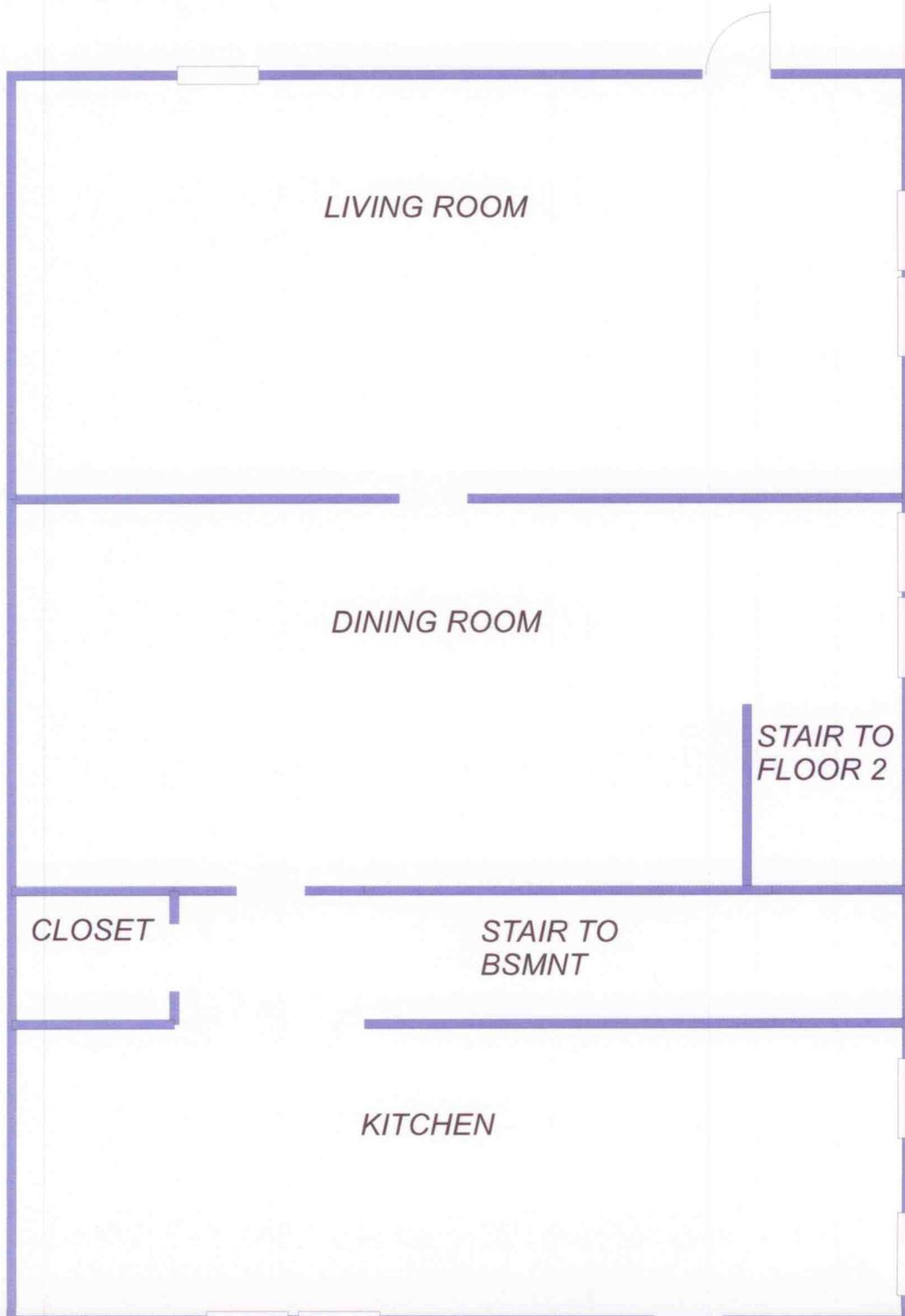
2060 RAVENWOOD AVENUE
FIRST FLOOR



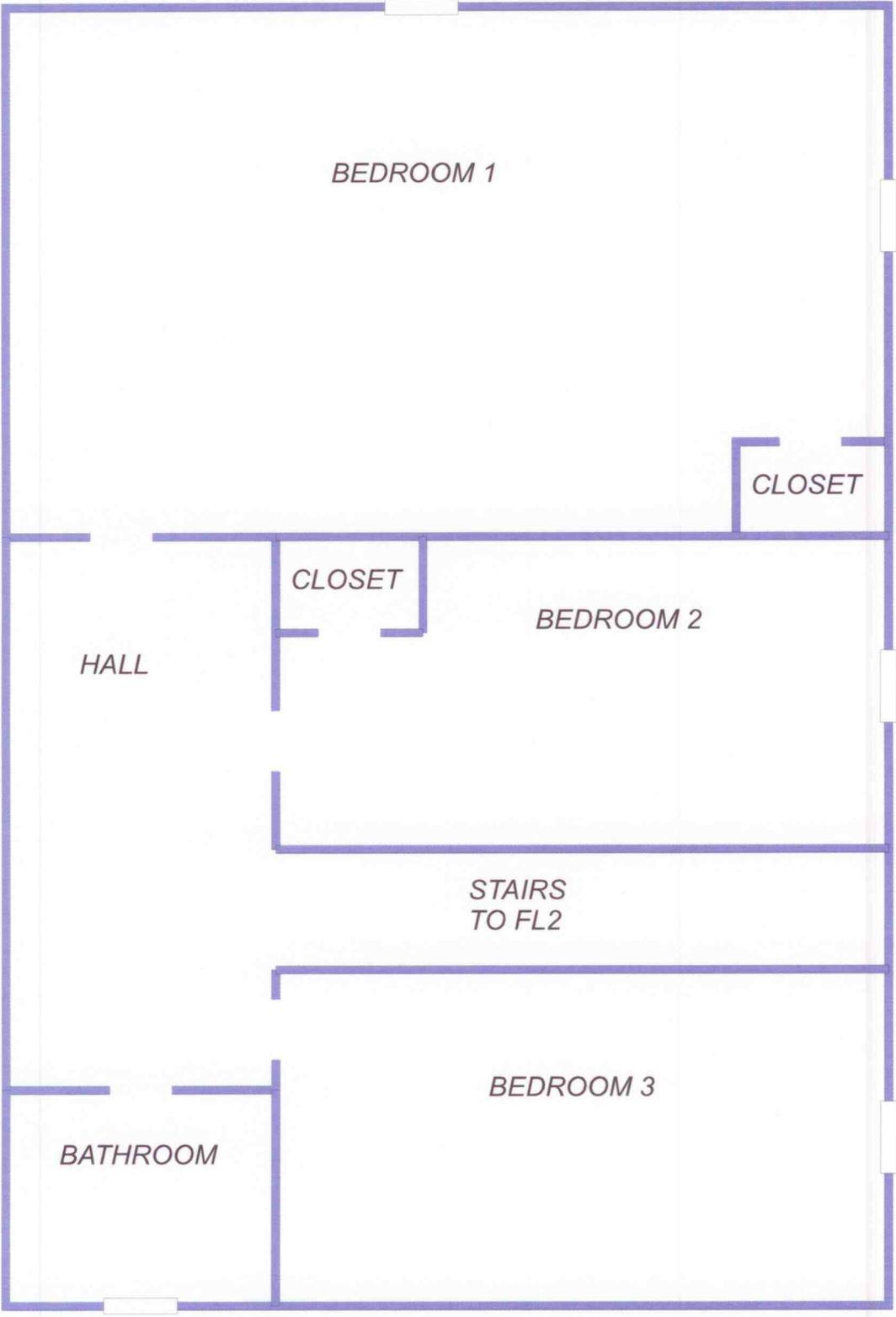
2060 RAVENWOOD AVENUE
SECOND FLOOR

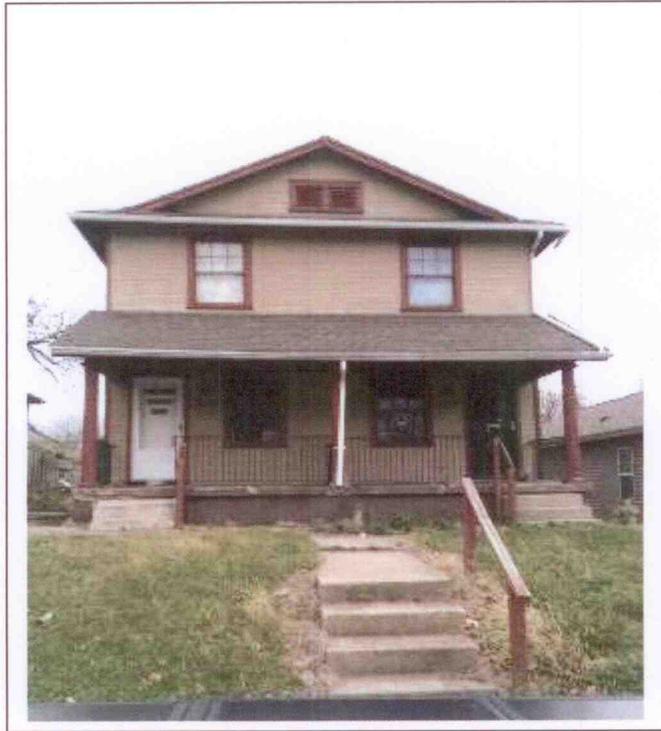


*2062 RAVENWOOD AVENUE
FIRST FLOOR*

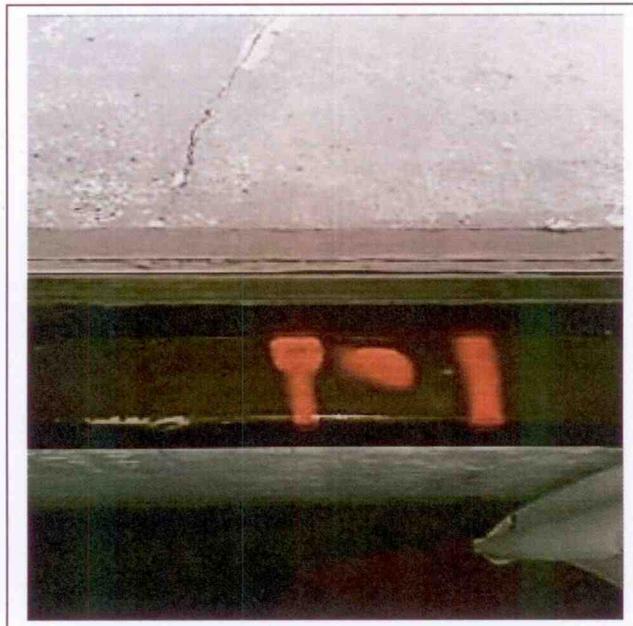


2062 RAVENWOOD AVENUE
SECOND FLOOR

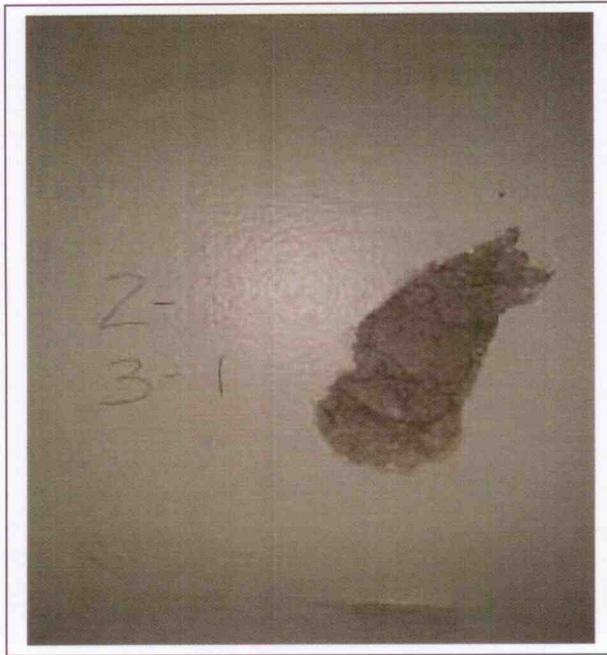




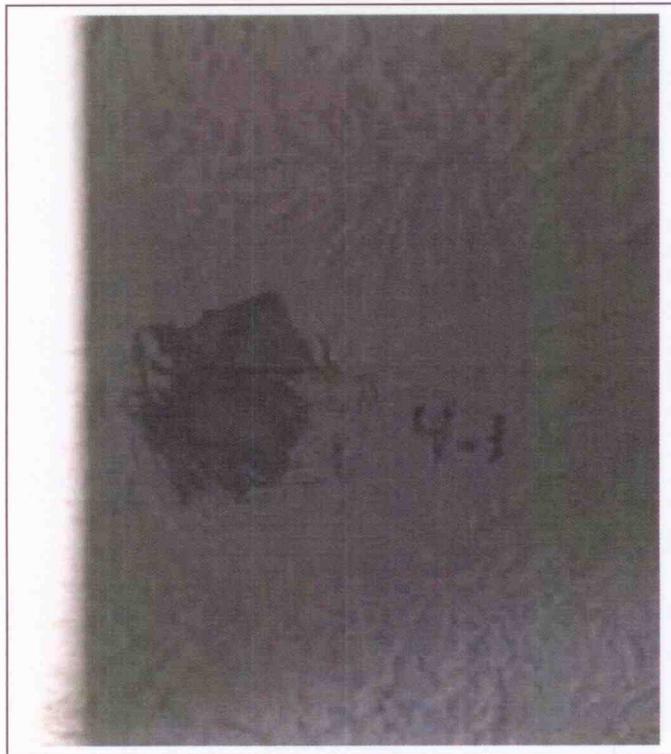
2060-2062 Ravenwood Avenue



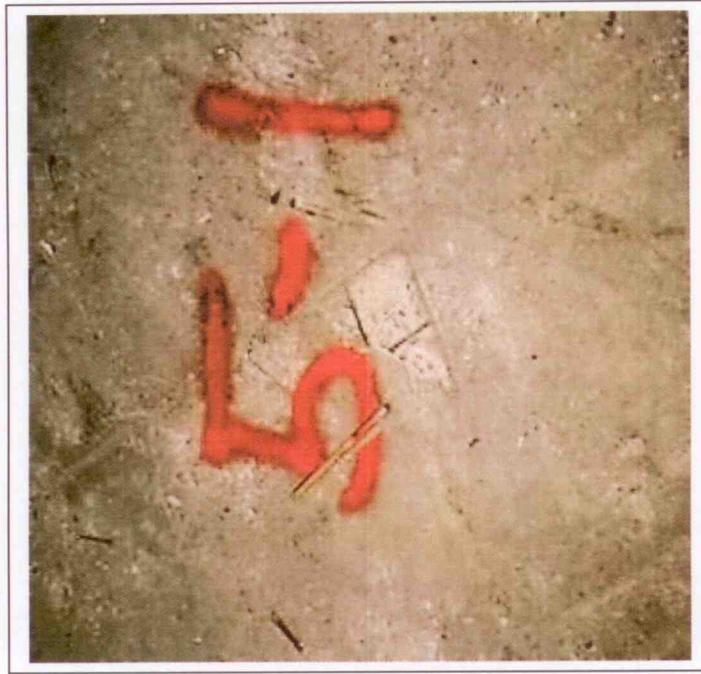
Window glaze



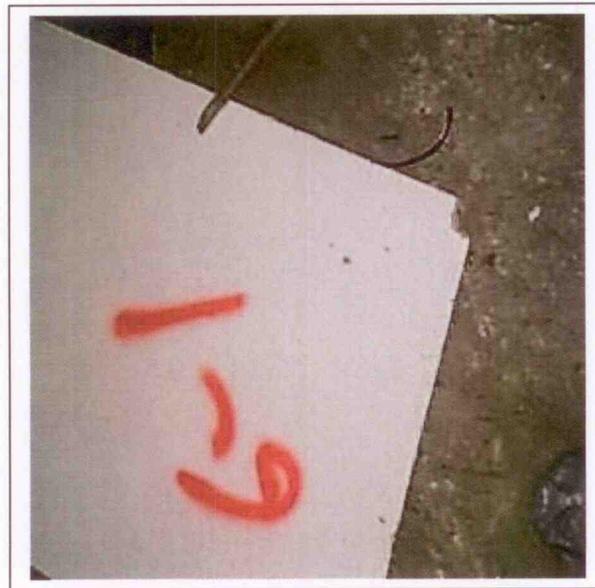
Hard wall and ceiling plaster



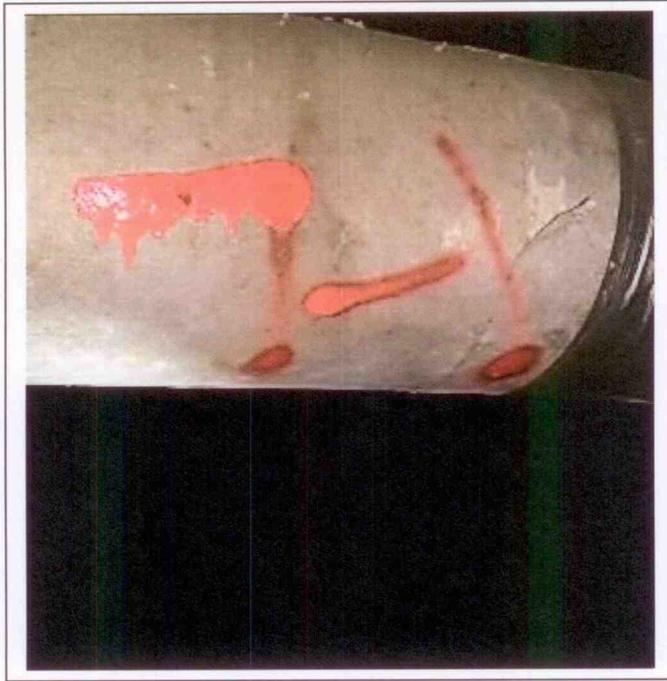
Textured wall



12" Tan sticky back floor tile



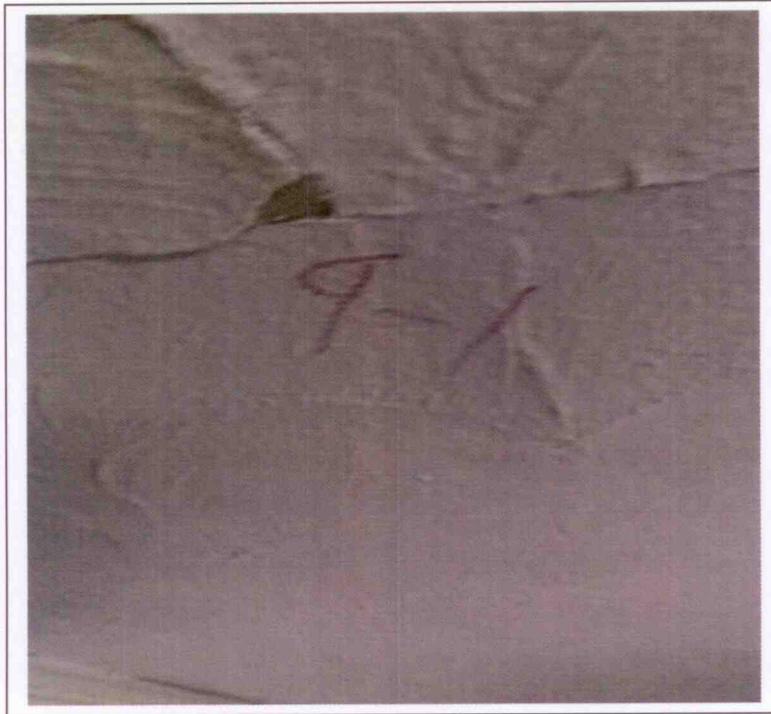
2'x4' Suspended ceiling tile with holes and fissures



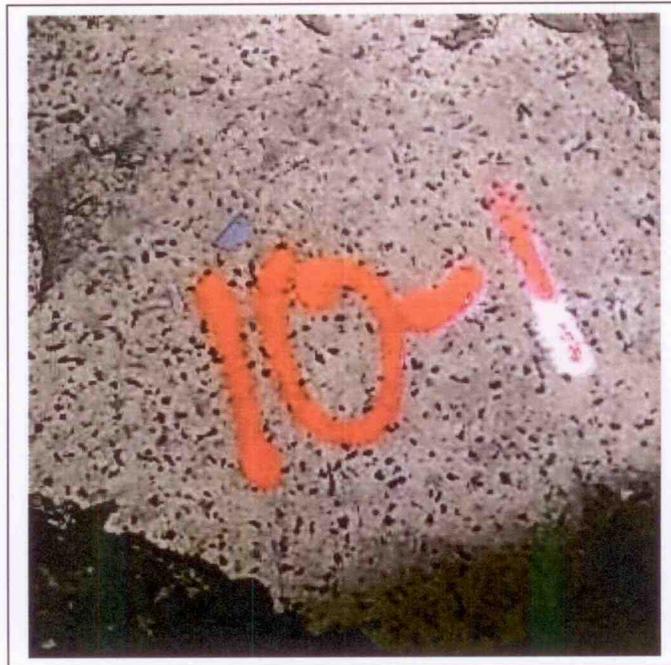
Duct insulation



2'x4' Suspended ceiling tile, rough



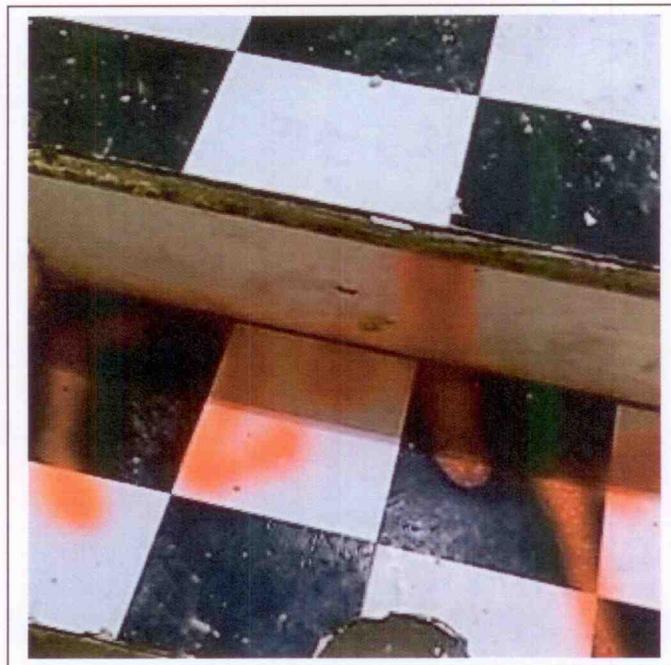
Textured ceiling



Multi-colored linoleum



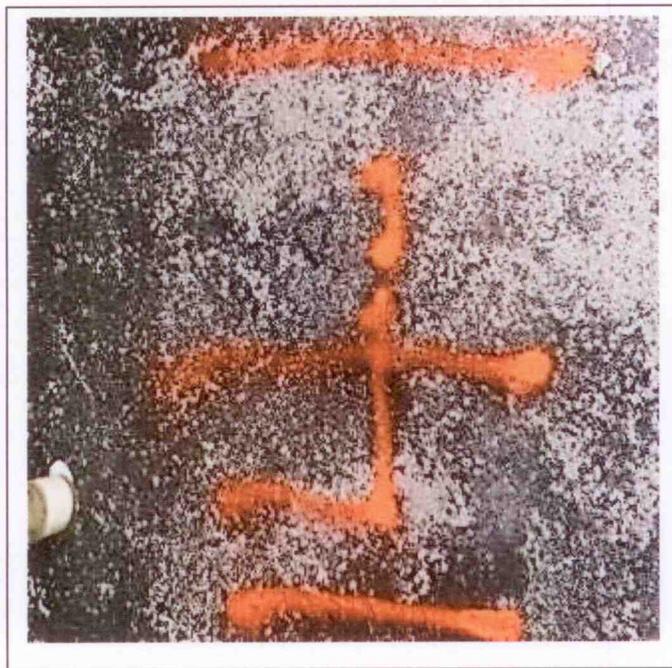
Tan linoleum



Black and white sheet flooring



Heat shield



Black and grey asphalt roof shingles



Green asphalt roof shingle

OHIO DEPARTMENT OF HEALTH

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

Richard Hedges/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 issued pursuant to Chapter 3701 of the Ohio Administrative Code. Certification cards are not valid if falsified.

Bill Robbins, Section Chief