PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

	3,
Parcel:	33010116106061
House No:	510 N. Sycamore St., Lansing, MI 48933
Date Inspected:	August 1, 2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2	Garage	No Garage
Square Footage	1400 SF	Garage Square Footage	
Basement Square Footage	150 SF	Garage Siding	
Siding	Vinyl, Wood & Asphalt	Garage Color	
Color	Brown	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	No	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

None observed above household quantities				
Material Description	Quantity & Units	Location		
	HAZARDOUS MATERIALS			
TABLE 1				
Date Inspected:	August 1, 2015			
House No.	510 N. Sycamore St.,	Lansing, MI 48933		
Parcel:	33010116106061			

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

Date Inspected:

33010116106061

510 N. Sycamore St., Lansing, MI 48933

August 1, 2015

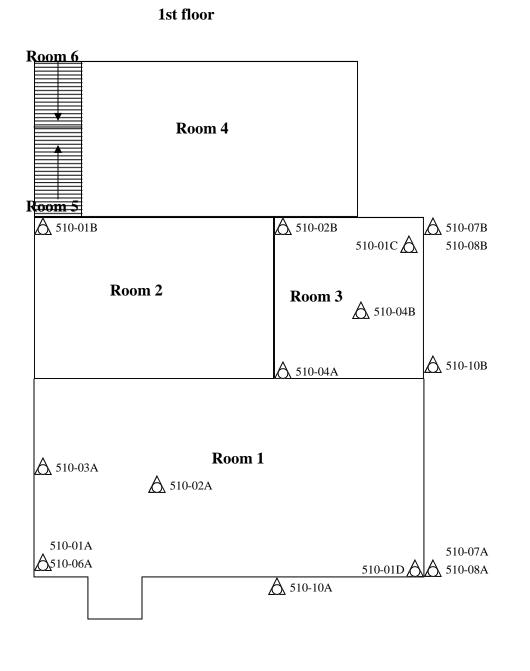
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, grey, wood lattice	1st/ 2nd floor	7600 SF	No
2	F	Textured, ceiling	Room 1, 3, 12 ceiling	600 SF	No
3	NF	Window glaze, white	1st & 2nd floor	11 Windows	No
4	NF	Floor tile, stuck on 12x12 tan	Room 3	150 SF	No
5	NF	Linoleum & paper backing, 12x12 grey	Room 9	100 SF	No
6	F	Blown in, grey	1st and 2nd floor, exterior walls, 2nd floor ceiling	5000 SF	No
7	NF	Roof shingle, green	Roof/ 1st	1100 SF	No
8	NF	Roof felt, black	Roof/ 2nd	1100 SF	No
9	NF	Rolled Asphalt, black	2nd floor & balcony	150 SF	No
10	NF	Asphalt siding, brown	Under vinyl siding	4400 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



*

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

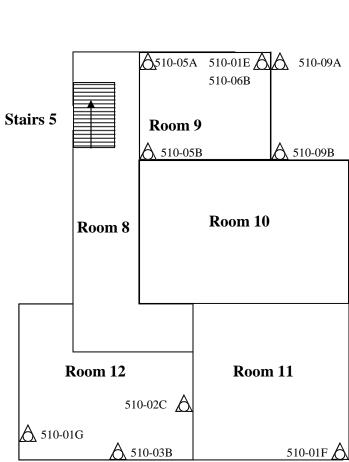
HAZ Hazardous materials

Sample Location

Tires

A

Ingham County Land Bank 173525

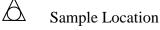


2nd floor



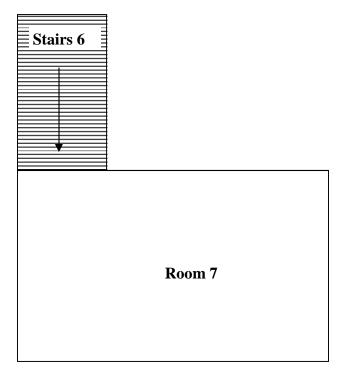
Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

HAZ Hazardous materials



Tires

Ingham County Land Bank 173525 Basement





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173525

HAZ Hazardous materials



Sample Location

Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33010116106061
House No.	510 N. Sycamore St., Lansing, MI 48933
Date Inspected:	August 1, 2015





Front of house/property

Side #1 of house/property





Back of house/property

Side #2 of house/property

Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200
ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 955-6604

REVISED REPORT



To: Environmental Testing And Consulting Inc. 38900 Huron River Drive Romulus, MI 48174

Project Location : Vacant Residence 510 N. Sycamore St., Lansing, MI

Attention : Roxanne Case

Client Project : 33-01-01-16-106-061

ETC Job : 173525

Report Date: 8/4/2015

Login #	Sample ID	Work Requested	Completed
356451	1A	Asbestos Analysis	08/04/2015
356452	1B	Asbestos Analysis	08/04/2015
356453	1C	Asbestos Analysis	08/04/2015
356454	1D	Asbestos Analysis	08/04/2015
356455	1E	Asbestos Analysis	08/04/2015
356456	1F	Asbestos Analysis	08/04/2015
356457	1G	Asbestos Analysis	08/04/2015
356458	2A	Asbestos Analysis	08/04/2015
356459	2B	Asbestos Analysis	08/04/2015
356460	2C	Asbestos Analysis	08/04/2015
356461	ЗА	Asbestos Analysis	08/04/2015
356462	3В	Asbestos Analysis	08/04/2015
356463	4A	Asbestos Analysis	08/04/2015
356464	4B	Asbestos Analysis	08/04/2015
356465	5A	Asbestos Analysis	08/04/2015
356466	5B	Asbestos Analysis	08/04/2015
356467	6A	Asbestos Analysis	08/04/2015
356468	6B	Asbestos Analysis	08/04/2015
356469	7A	Asbestos Analysis	08/04/2015
356470	7B	Asbestos Analysis	08/04/2015

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Page 1 of 7

ETC Job: 173525

Report Date: 8/4/2015

Login #	Sample ID	Work Requested	Completed
356471	8A	Asbestos Analysis	08/04/2015
356472	8B	Asbestos Analysis	08/04/2015
356473	9A	Asbestos Analysis	08/04/2015
356474	9B	Asbestos Analysis	08/04/2015
356475	10A	Asbestos Analysis	08/04/2015
356476	10B	Asbestos Analysis	08/04/2015

Reviewed by:

Samzwall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 173525
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-061
	38900 Huron River Drive	Date Collected : 08/01/2015
	Romulus,MI 48174	Date Received: 08/03/2015
Location :	Vacant Residence	Date Analyzed : 08/04/2015
	510 N. Sycamore St., Lansing, MI	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356451 1A Rm 1 Analyst: Alice Tu	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356452 1B Rm 2 Layer-1 Analyst:	Plaster Alice Turner	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356452 1B Rm 2 Layer-2 Analyst:	Skim Coat Alice Turner	White Non-Fibrous Homogenous		100% Other	None Detected
356453 1C Rm 3 Layer-1 Analyst:	Plaster Alice Turner	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356453 1C Rm 3 Layer-2 Analyst: .	Skim Coat Alice Turner	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356454 1D Rm 1 Analyst: Alice Tu	Plaster	Grey Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
356455 1E Rm 9 Layer-1 Analyst:	Plaster Alice Turner	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356455 1E Rm 9 Layer-2 Analyst∷	Skim Coat Alice Turner	White Non-Fibrous Homogenous		100% Other	None Detected

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M-82/D20 or NYSDOH-ELAP litem 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173525
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-061
	38900 Huron River Drive	Date Collected : 08/01/2015
	Romulus,MI 48174	Date Received : 08/03/2015
Location :	Vacant Residence	Date Analyzed : 08/04/2015
	510 N. Sycamore St., Lansing, MI	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356456 1F Rm 11 Analyst: Alice Turner	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356457 1G Rm 12 Layer-1 Analyst: Alice	Plaster e Turner	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356457 1G Rm 12 Layer-2 Analyst: Alice	Skim Coat e Turner	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356458 2A Rm 1 Analyst: Alice Turner	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
356459 2B Rm 3 Analyst: Alice Turner	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
356460 2C Rm 12 Analyst: Alice Turner	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
356461 3A Rm 1 Analyst: Alice Turner	Window Glaze	White Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173525
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-061
	38900 Huron River Drive	Date Collected : 08/01/2015
	Romulus,MI 48174	Date Received : 08/03/2015
Location :	Vacant Residence	Date Analyzed : 08/04/2015
	510 N. Sycamore St., Lansing, MI	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356462 3B Rm 12 Analyst: Alice Turner	Window Glaze	White Non-Fibrous Homogenous		100% Other	None Detected
356463 4A Rm 3 Layer-1 Analyst: Alice	12x12 Stuck On Floor Tile	Tan Non-Fibrous Homogenous		100% Other	None Detected
356463 4A Rm 3 Layer-2 Analyst: Alice	Mastic Turner	Brown Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
356464 4B Rm 3 Analyst: Alice Turner	12x12 Stuck OnFloor Tile	Tan Non-Fibrous Homogenous		100% Other	None Detected
356465 5A Rm 9 Analyst: Alice Turner	12x12 Linoleum and Paper Backing	Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356466 5B Rm 9 Analyst: Alice Turner	12x12 Linoleum and Paper Backing	Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356467 6A Rm 1 Analyst: Alice Turner	Blown-In Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173525
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-061
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	510 N. Sycamore St., Lansing, MI	Buto Analyzou i	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356468 6B Rm 9 Analyst: Alice Turner	Blown-In Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected
356469 7A Ext Analyst: Alice Turner	Roof Shingle	Green Fibrous Homogenous	20% Cellulose	80% Other	None Detected
356470 7B Ext Analyst: Alice Turner	Roof Shingle	Green Non-Fibrous Homogenous	15% Cellulose	85% Other	None Detected
356471 8A Ext Analyst: Alice Turner	Roof Felt	Black Fibrous Homogenous	20% Cellulose	80% Other	None Detected
356472 8B Ext Analyst: Alice Turner	Roof Felt	Black Fibrous Homogenous	20% Cellulose	80% Other	None Detected
356473 9A Ext Analyst: Alice Turner	Rolled Asphalt	Black Fibrous Homogenous	5% Cellulose 10% Fiberglass	85% Other	None Detected
356474 9B Ext Analyst: Alice Turner	Rolled Asphalt	Black Fibrous Homogenous	5% Cellulose 10% Fiberglass	85% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173525
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-061
	38900 Huron River Drive	Date Collected : 08/01/2015
	Romulus,MI 48174	Date Received : 08/03/2015
Location :	Vacant Residence	Date Analyzed : 08/04/2015
	510 N. Sycamore St., Lansing, MI	Date Analyzeu : 00/04/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356475 10A Ext Analyst: Alice Turner	Asphalt siding	Brown Fibrous Homogenous	15% Cellulose	85% Other	None Detected
356476 10B Ext Analyst: Alice Turner	Asphalt siding	Brown Fibrous Homogenous	15% Cellulose	85% Other	None Detected

Jengly

Lab Supervisor/Other Signatory

lei hu

Analyst: Alice Turner

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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Client: ETC	;	Contect: Tammy Wall		ETL Project #: 1735 Project Location/name:	25
Address;		Phone: Fax:		5/0 N. Syca	amore St.
Please Provide Res	ults: X Email o P	ax Diverbal Ditter	<u>com</u>	Client Project #:	
Turnarou	nd Time (TAT):			Date Sampled: 8/1/15	5
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X PLM EPA600/R-93	116 1903 (Stored	PLM (Check	Instructions k all liket apply)	El Standard (3+ days) D Othe	f
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* Additional charge and tu	meround may be remu	ikod		C Soli or Vermiculite Analysis	ф
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Sample Login (Name/ETL);				8.3.15	am/em
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QA/QC Review (Name/ETL):		mul		8.3.15	
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Special Instructions:				Remarks	an/m
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Form ETL206: Chain of Custody: Revision A

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Page ____ of ____

Asbestos Material Sampling Summary Sheet Surfacing materials

Revision date 2/23/2035

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Job #:	173575	Building	: 51	PN Sycamore St.	Date: 8 - /		
Material no.	Material Description .	Frisicle (ft) / Noa-Friable (NF)	Sample Lotter	Sample Encation Read only to troni	Material Located throughout bleg (Picase List all Rooms)	Guantity	Planne #
	Mazeriai: Plaster Gray, wood Inflice	F	ABUDE	1 356451 2 356452 3 356452 3 356453 9 356455	15t2nd Floor	7,605	4- 14 <i>2</i> 128
2	Mataria: Textured Ccility	Ŧ	A D C	11 356456 12 356457 1 356458 7 356459 12 356460	Run 1, 3, 12 reiling	6084	147138
							LAALAN T I

:1000 SF = 3 semples

. 1

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #:	173525	Building:	<u>510</u>	N.Sycamore	Date: 8-/-/	'S	
Matorial no.	Material Description.	Filable (F) / Non-Fileble (NF)	Sampla Letter	Sanple Location Neod only be roam	Motorial Located throughout bidg (Picase List all Rooma)	Quentity	Picinge #
3	Material: Window Glaize Description White	NE	A L	1 356461 12 356462	ISTEND Floor	1-1',	14270
4	Matarian Floge Tile Stuckou Description 12+17 Van	WF	A B	356464	Rm.3	150PA	142731
5	Materiali <u>12x17</u> <u>5rey</u> Materiali <u>12x17</u> <u>5rey</u>	WF	A B	2 2 2 2 2 3 5 6 4 6 5 2 5 6 4 6 5 2 5 6 4 6 5 2 5 6 4 6 5 2 5 6 4 6 5 2 5 6 4 6 5 2 6 4 6 5 2 5 6 4 6 5 2 5 6 4 6 5 5 6 4 65 5 7 8 5 6 7 8 5 6 7 8 5 8 5 8 5 6 4 65 7 8 5 8 5 8 5 8 5 6 4 6 5 8 5 8 6 5 8 5 8 5 6 7 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	Rm 9	1084	14225
6	Material House in Description Gray Material Coof Shrule	F	<u>A</u> B	9. 356467 9. 356468 CXCrist 356469	15+ Lad Flod F CXHII waalis Zaul Floor (cila	5000 ² FF	142128
	Bescription Green Material: ROOF J-elt	WF	-0	// // 356470	15+	1100P	142312
8	Material: Rolled Asphalt	NF	A B A	11 11 356472		10034	
10	Material: AsphaldCiding	NF	ABA	11 11 356474	Balcony Warder View	15074	1-1-2-272
	Description Brown Materials		ß	<u>a' (1 356476</u>	Siding	44 08 f4	142506
	Pasciption				19 - 19 (19 - 19 - 19 - 19 - 19 - 19 - 1		

2 samples

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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd , Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-16-106-101
House No:	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2 + Attic	Garage	No Garage
Square Footage	2,000 SF	Garage Square Footage	
Basement Square Footage	1,000 SF	Garage Siding	
Siding	Vinyl Sided & Wood	Garage Color	
Color	White	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Refrigerator	1	Room 4
Refrigerator	2	Room 7
Television	1	Room 9
Computer Monitor	1	Room 25
Computer Tower	1	Room 8
Air Conditioner: Unit or Whole House	1	Room 28
Smoke Detector	4	Rooms 10, 12, 15 & 24
Fire Extinguisher	1	Room 8
Vehicle Batteries	2	Room 7
Paint Can (Latex)	4 - 1 Gallons	Room 27
Paint Can (Latex)	6 - 1 Gallons	Room 28
Ballasts	3	Rooms 2, 3 & 8
Fluorescent light tubes, 4 ft or less	2	Room 2
Fluorescent light tubes, 4 ft or less	4	Room 3
Fluorescent light tubes, 4 ft or less	4	Room 27
Mercury Thermostats	2	Rooms 1 & 8

TIRE(s) REPORT

Material

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-16-106-101

618 W. Genesee Ave., Lansing, MI 48933

08/05/2015

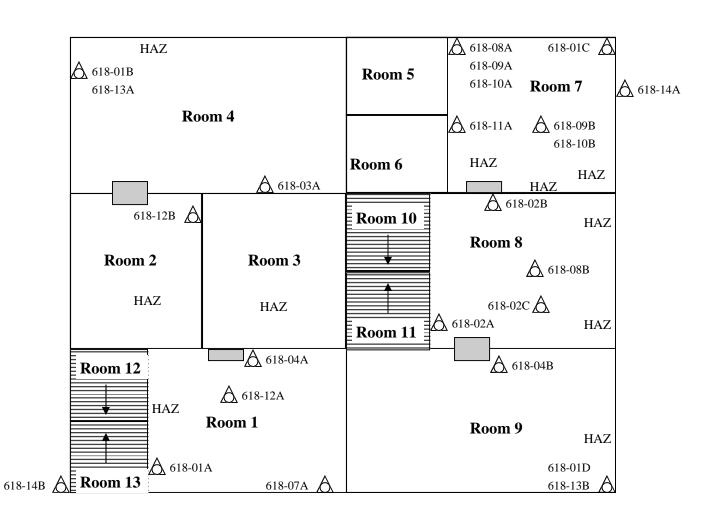
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor	10,800 SF	No
2	F	Textured Ceiling, White	Room 8	260 SF	No
3	F	Textured Ceiling, White	1st & 2nd Floor	2,800 SF	No
4	F	Duct Insulation, Grey	1st & 2nd Floor & Basement	300 SF	Yes
5	F	Duct Tape, Grey	Rooms 27 & 28	120 SF	Yes
6	F	Hvac Sleeve, Black	Room 28	4 SF	No
7	NF	Window Glaze, White	1st & 2nd Floor & Attic	23 Windows	No
8	NF	Floor Tile, Stuck On, 12x12, Tan	Rooms 4, 6-8, 17, 18 & 20, 1st	900 SF	No
9	NF	Linoleum & Paper Back, White	Room 7, 2nd	150 SF	No
10	NF	Floor Tile & Mastic, 9x9, Red	Room 7, 3rd	150 SF	Yes
11	NF	Ceiling Tile, 12x12, White Brown	Room 7 & 19	300 SF	No
12	NF	Ceiling Tile, 2x4, White Grey	Rooms 1-3 & 14	550 SF	No
13	F	Blown-In, White	1st & 2nd Floor Exterior Walls, 2nd Floor & Attic Ceiling	8,000 SF	No
14	NF	Roof Shingles, Green Grey	Roof	1,800 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



1st floor

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173526

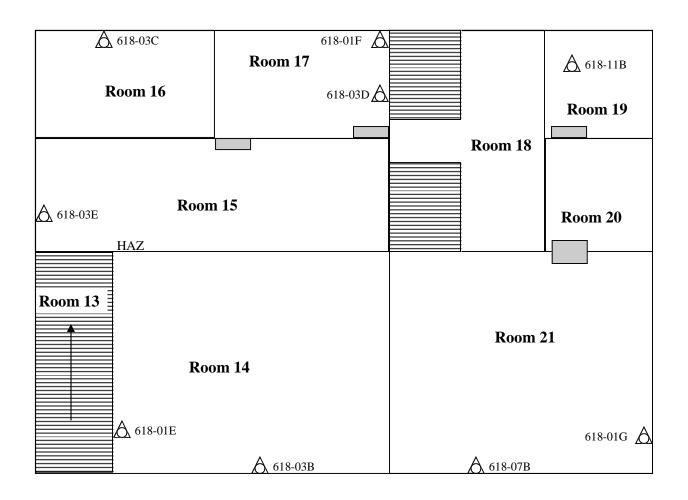
HAZ Hazardous materials

Sample Location

Tires

)

2nd floor



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

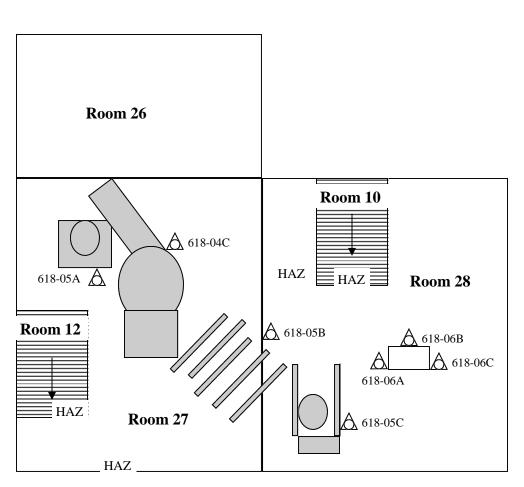
> Ingham County Land Bank 173526

HAZ Hazardous materials

Sample Location

Tires

A



Basement

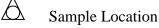


Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

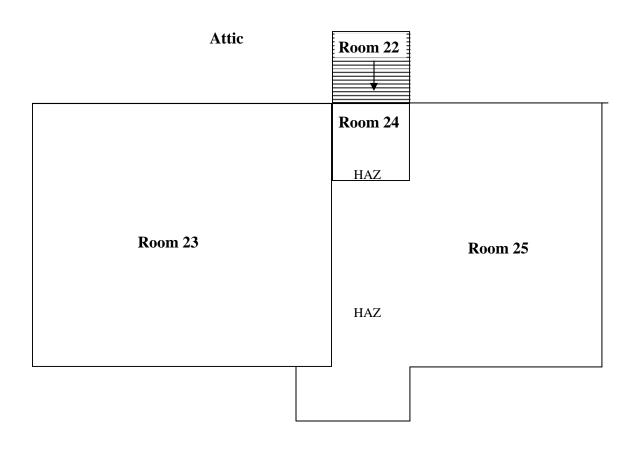
Ingham County Land Bank 173526



Hazardous materials



Tires

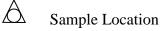




Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173526

HAZ Hazardous materials



Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015

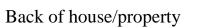




Front of house/property

Side #1 of house/property







Side #2 of house/property

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Refrigerator, Room 4



Refrigerator, Room 7



Refrigerator, Room 7



Television, Room 9

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Computer Monitor, Room 25



Computer Tower, Room 8



Air Conditioner: Unit or Whole House, Room 28



Fire Extinguisher, Room 8

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Smoke Detector, Room 12



Smoke Detector, Room 10



Smoke Detector, Room 24



Smoke Detector, Room 15

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Vehicle Batteries, Room 7



Paint Can (Latex), Room 27



Paint Can (Latex), Room 28



Ballasts, Room 8

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Ballasts, Room 2



Ballasts, Room 3



Fluorescent light tubes, greater than 4 ft, Room 2



Fluorescent light tubes, greater than 4 ft, Room 3 & Room 27

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015



Mercury Thermostat, Room 1



Mercury Thermostat, Room 8

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-16-106-101
House No.	618 W. Genesee Ave., Lansing, MI 48933
Date Inspected:	08/05/2015





Duct Insulation, 1st & 2nd Floor & Basement Duct Tape, Rooms 27 & 28



Floor Tile & Mastic, Room 7, 3rd Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Project Location : Vacant Residence 618 W. Genesee Ave., Lansing, MI

Attention : Roxanne Case

Client Project : 33-01-01-16-106-101

ETC Job : 173526

Report Date: 8/7/2015

Login #	Sample ID	Work Requested	Completed
357377	1A	Asbestos Analysis	08/07/2015
357378	1B	Asbestos Analysis	08/07/2015
357379	1C	Asbestos Analysis	08/07/2015
357380	1D	Asbestos Analysis	08/07/2015
357381	1E	Asbestos Analysis	08/07/2015
357382	1F	Asbestos Analysis	08/07/2015
357383	1G	Asbestos Analysis	08/07/2015
357384	2A	Asbestos Analysis	08/07/2015
357385	2B	Asbestos Analysis	08/07/2015
357386	2C	Asbestos Analysis	08/07/2015
357387	3A	Asbestos Analysis	08/07/2015
357388	3B	Asbestos Analysis	08/07/2015
357389	3C	Asbestos Analysis	08/07/2015
357390	3D	Asbestos Analysis	08/07/2015
357391	3E	Asbestos Analysis	08/07/2015
357392	4A	Asbestos Analysis	08/07/2015
357393	4B	Asbestos Analysis	08/07/2015
357394	4C	Asbestos Analysis	08/07/2015
357395	5A	Asbestos Analysis	08/07/2015
357396	5B	Asbestos Analysis	08/07/2015

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ETC Job: 173526

Report Date : 8/7/2015

Login #	Sample ID	Work Requested	Completed
357397	5C	Asbestos Analysis	08/07/2015
357398	6A	Asbestos Analysis	08/07/2015
357399	6B	Asbestos Analysis	08/07/2015
357400	6C	Asbestos Analysis	08/07/2015
357401	7A	Asbestos Analysis	08/07/2015
357402	7B	Asbestos Analysis	08/07/2015
357403	8A	Asbestos Analysis	08/07/2015
357404	8B	Asbestos Analysis	08/07/2015
357405	9A	Asbestos Analysis	08/07/2015
357406	9B	Asbestos Analysis	08/07/2015
357407	10A	Asbestos Analysis	08/07/2015
357408	10B	Asbestos Analysis	08/07/2015
357409	11A	Asbestos Analysis	08/07/2015
357410	11B	Asbestos Analysis	08/07/2015
357411	12A	Asbestos Analysis	08/07/2015
357412	12B	Asbestos Analysis	08/07/2015
357413	13A	Asbestos Analysis	08/07/2015
357414	13B	Asbestos Analysis	08/07/2015
357415	14A	Asbestos Analysis	08/07/2015
357416	14B	Asbestos Analysis	08/07/2015

Reviewed by:

wall

Quality Assurance Coordinator

ETC Job: 173526

Report Date : 8/7/2015

Login # Sample ID Work Requested Con	pleted
--------------------------------------	--------

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173526
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
	38900 Huron River Drive	Date Collected :	08/05/2015
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	618 W. Genesee Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357377 1A 1 Analyst: Natalie Barna:	Plaster s	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357378 1B 4 Analyst: Natalie Barnas	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357379 1C 7 Analyst: Natalie Barnas	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357380 1D 9 Analyst: Natalie Barnas	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357381 1E 14 Analyst: Natalie Barna:	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357382 1F 17 Analyst: Natalie Barnas	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357383 1G 21 Analyst: Natalie Barnas	Plaster	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 173526
То :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-101
	38900 Huron River Drive	Date Collected : 08/05/2015
	Romulus,MI 48174	Date Received : 08/07/2015
Location :	Vacant Residence	Date Analyzed : 08/07/2015
	618 W. Genesee Ave., Lansing, MI	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357384 2A 8 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
357385 2B 3 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357386 2C 3 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357387 3A 4 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
357388 3B 14 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
357389 3C 6 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
357390 3D 17 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173526
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
Location :	38900 Huron River Drive Romulus,MI 48174	Date Collected :	08/05/2015
		Date Received :	
	Vacant Residence	Date Analyzed :	
	618 W. Genesee Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357391 3E 15 Analyst: Natalie Barna	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
357392 4A 1 Analyst: Natalie Barna	Duct Insulation	Grey Fibrous Homogenous	30% Cellulose	40% Other	30% Chrysotile
357393 4B 9 Analyst: Natalie Barna	as	Not Analyzed			
357394 4C 27 Analyst: Natalie Barna	25	Not Analyzed			
357395 5A 27 Analyst: Natalie Barna	Duct Tape	Grey Fibrous Homogenous	50% Cellulose	25% Other	25% Chrysotile
357396 5B 28 Analyst: Natalie Barna	as	Not Analyzed			
357397 5C 28 Analyst: Natalie Barna	35	Not Analyzed			

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Polarized Light Microscopy Asbestos Analysis Report

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To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
	38900 Huron River Drive	Date Collected :	
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	
	618 W. Genesee Ave., Lansing, MI	Duto / mary2001	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357398 6A 28 Analyst: Natalie Barnas	HVAC Sleeve	Black Fibrous Homogenous	100% Other fibrous		None Detected
357399 6B 28 Analyst: Natalie Barnas	HVAC Sleeve	Black Fibrous Homogenous	95% Other fibrous	5% Other	None Detected
357400 6C 28 Analyst: Natalie Barnas	HVAC Sleeve	Black Fibrous Homogenous	95% Other fibrous	5% Other	None Detected
357401 7A 1 Analyst: Natalie Barnas	Window Glaze	White Non-Fibrous Homogenous		100% Other	None Detected
357402 7B 21 Analyst: Natalie Barnas	Window Glaze	White Non-Fibrous Homogenous		100% Other	None Detected
357403 8A 7 Analyst: Natalie Barnas	12x12 Stuck On Floor Tile	Tan Non-Fibrous Homogenous		100% Other	None Detected
357404 8B 8 Analyst: Natalie Barnas	12x12 Stuck On Floor Tile	Tan Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173526
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
	38900 Huron River Drive	Date Collected :	08/05/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	618 W. Genesee Ave., Lansing, MI	Bute Analyzeu .	00,01,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357405 9A 8 Analyst: Natalie Barna	Linoleum and Paper Backing	White Fibrous Homogenous	65% Cellulose	35% Other	None Detected
357406 9B 8 Analyst: Natalie Barna	Linoleum and Paper Backing	White Fibrous Homogenous	65% Cellulose	35% Other	None Detected
357407 10A 8 Layer-1 Analyst: Nata	9x9 Floor Tile lie Barnas	Red Non-Fibrous Homogenous		96% Other	4% Chrysotile
357407 10A 8 Layer-2 Analyst: Nata	Mastic lie Barnas	Black Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected
357408 10B 8 Layer-1 Analyst: Nata	lie Barnas	Not Analyzed			
357408 10B 8 Layer-2 Analyst: Nata	Mastic lie Barnas	Black Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected
357409 11A 7 Analyst: Natalie Barna	12x12 Ceiling Tile	White/Brown Fibrous Homogenous	100% Cellulose		None Detected
357410 11B 19 Analyst: Natalie Barna	12x12 Ceiling Tile	White/Brown Fibrous Homogenous	100% Cellulose		None Detected

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Polarized Light Microscopy Asbestos Analysis Report

То :		ETC Job :	173526
	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
Location :	38900 Huron River Drive	Date Collected :	08/05/2015
	Romulus,MI 48174	Date Received :	
	Vacant Residence	Date Analyzed :	
	618 W. Genesee Ave., Lansing, MI	Date Analyzeu .	00/01/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357411 12A 1 Analyst: Natalie Barnas	2x4 Ceiling Tile	White/Grey Fibrous Homogenous	50% Cellulose 40% Mineral wool	10% Other	None Detected
357412 12B 2 Analyst: Natalie Barnas	2x4 Ceiling Tile	White/Grey Fibrous Homogenous	50% Cellulose 40% Mineral wool	10% Other	None Detected
357413 13A 4 Analyst: Natalie Barnas	Blown-In Insulation	White Fibrous Homogenous	100% Mineral wool		None Detected
357414 13B 9 Analyst: Natalie Barnas	Blown-In Insulation	White Fibrous Homogenous	100% Mineral wool		None Detected
357415 14A Exterior Analyst: Natalie Barnas	Roof Shingle	Green/Grey Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected
357416 14B Exterior Analyst: Natalie Barnas	Roof Shingle	Green/Grey Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected

Jengl

Lab Supervisor/Other Signatory

Matalie Barna)

Analyst: Natalie Barnas

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Polarized Light Microscopy Asbestos Analysis Report

			ETC Job :	173526
	To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-101
		38900 Huron River Drive	Date Collected :	
		Romulus,MI 48174	Date Received :	08/07/2015
Locat	Location :	Vacant Residence	Date Analyzed :	
		618 W. Genesee Ave., Lansing, MI	Bate Analyzeu :	00/01/2010

Sample

Description

Appearance

% Fibrous

% Non-Fibrous

% Asbestos

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261 WWW.2ell.com

Bulk Asbestos Chain of Custody

. .

Client:		ETL Project #: /2:	
ETC	Contact: Tammy Wall		> 2 6
Address:	Phone:	Project Locetion/name:	
	Fax:	- 618 W.	Gens can
Please Provide Results: X Email	E-mall: resulis@2etc.com		QCAL SER
conserver results: X Email o	Fax verbal of Other	Cilent Project #:	
Turnaround Time (TAT):		Oete Sampled: 8/F	115
	→ coaine Day U 24 hr 0 48 hr	🛙 Slandard (3+ days) 🛛	Olher
X PLM EPA600/R-93/116, 1993 (Stand D Point Counting: 400 D 1 1993	PLM Instructions (Check all that apply)		
D Point Counting: 400 Points*	ard method)	X Stop at 1st Positive -	
D PLM Non-Building Material (Dust, Wi		Cleady mark Un	
* Additional charge and tumeround may be req	pe, Tape)	Clearly mark Homogenes	: Głatp
The second se	uired	D Soil or Vermiculite And	llysis *
Lab ID	Sampal		
337317 11-6	Sample Location	Material D	scription
			1000 - 100 - 30 - 20 A CA
ZA-C		+	
34-F			
-1/4-(
LSA-C		·	<u> </u>
GA-C		[
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<u>+A-B</u>			
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Asbestos Material Sampling Summary Sheet Surfacing materials

Revision date 2/23/2015

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Job#:	. 173.576	Building	: 61	With the second se	Date: 8-	5-20	>1.5
Material no.	Slatsrigt Devoription .	Friziale (P) / Non Friable (NF)	Sample Lotter	Sample Locetton Nect only he room	Material Located fivoughent blag (Place List all Rooms)	Quantity	Picture #
t	Material: Plash Goog 1 wood lattic			$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	ISTENC Floor	10,80	155139
2	Material: Textine Alle, 1/19	Ŧ	A B C	257384 357385 357386	Rm 8	26 D A	1551 UY
3	Material: Tex-Lunch Centry. Wthite			<u>4 357387</u> <u>14 357388</u> <u>16 357389</u> <u>17 357390</u> <u>15 357391</u>	1st-End pelaor	28034	155210

=1000 SF = 3 samples

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1. 25 May 6 May 1 May •

Asbestos Material Sampling Summary Sheet TSI (Thermal System Insulation) materials

Υ.

Revision date 2/25/2015

Job #:	173526	Building	: 61	& We Genesce	Pate: 8-5		
Materia) No.	Kalstīni Desariptien	Filadio (F)/ Roo-Filable (NF)	Somple Letter	Bamplo Location Newtoniy be room	Material Located throughout bidy (Plann List all Rooms)	Osastity	Pisture #
: Ц	Meteriel: Duct in Sulation Description Gray Material: Duct Tape Description	P	A B C	× 357393	15+211 Floor H Bacement Rom 27,24	360 ³ A	155 236
S	Grey	F	A B C	<u> </u>	Rm 6 1, 89	12077	155 <i>75</i> 8
6	Materialis H.car Electe Description Bioloch	F	A C	78 357398 78 357399 28 357399 28 357400	Rm Z8	424	155 304
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9 9 980 m.	Finto-1st: Description				449449366-8444444944 1999 - Marine Marine, and an		

3 samples with the exception of patches less than 6 LF or 6 5F, then only 1 sample

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Revision date 2/23/2015

Asbeetos Waterial Sampling Summary Sheet Wiscellaneous materials

Job#:	173526	Building:	618	W. Genesce	Date: 8-5	-/S	23-7-7-
Materia) No.	Material Description	FRAND (F)7 Non-Frighto (HF)	Dampiq Lation	Sample Location Houd only be room	Material Located Elizougacut Didg (Pipase List all Roomz)	Quantity	Picture #
7	Materials Wulew Glaze Description W. H. Fc	NF	A 5	/ 357401 2(357402	15 Flord Floor + Altic	23	15539
T	Material: <u>Flopr File Stuckon</u> Description 126/2 Tan	WF.	A B	7 <u>357403</u> 8 <u>357404</u>	Rm 7,8,4, 6,17,18,20	90034	
9	Meteriai: 1,10/14m + paperharky	NE	A B	8 357405 8 357406	Rm7 End	15074	155356
10	Material: Floor Tile + Mastic Description 929 Red	WF	A B	<u>8 357407</u> 8 357408	Run Y S-d.	150 <i>24</i>	155356
)(Material: Celling Tile Description 12412 Why ye Bowy	WF.	A B	<u> </u>	Rm 7, 19	308A	a second and the second second second
17	Material: G. 1 1 Tile Description 2x4 While Grey	WF	A , S	2 357411	em 1, 2, 3, 14	550 ² CF	15545
13	Material: Blown 11 Description White	F	A B	9 30574143	13+ 2nd Eloor exterior is alls 2nd Floort Attic	8000 ⁸ 44 e. ^{.1} /.mi	155139
14	Material: ROOF Stringle Description Green Grey	WF	B	<u>Price 357415</u> "" 357416	Roof	18084	14180
vicionas da resonant	Msterfal: Description			ан тану тану тану каландарын каландары керектери каландары каландары байлары керектери керектери керектери кер 19 тану тану каландары каландары керектери каландары каландары каландары керектери керектери керектери керектери	9 - 1994 - 1995 - 1995 - 1995 - 1995 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19 1	er-eve insu er en kindelstansteten	e Weiner in als and reactive.
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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-16-106-232
House No:	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2	Garage	No Garage
Square Footage	1,000 SF	Garage Square Footage	
Basement Square Footage	400 SF	Garage Siding	
Siding	Wood	Garage Color	
Color	Pink	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Refrigerator	2	Room 2
Ballasts	3	Room 2
Fluorescent light tubes, 4 ft or less	5	Room 2
Mercury Thermostat	1	Room 2

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

33-01-01-16-106-232

609 W. Lapeer St., Lansing, MI 48933

Date Inspected:

08/01/2015

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

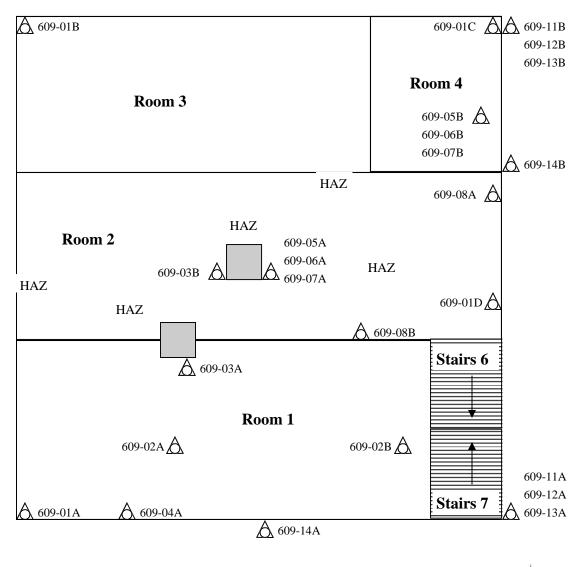
Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor	6,000 SF	No
2	F	Textured Ceiling, White	Rooms 1 & 9 Ceilings	600 SF	No
3	F	Duct Insulation, Grey	Rooms 1, 2 & 8	40 SF	Yes
4	NF	Window Glaze, White	1st & 2nd Floor & Basement	20 Windows	No
5	NF	Floor Tile, Stuck On, 12x12, Glue & Grey	Rooms 2, 4 & 12, 1st	400 SF	No
6	NF	Floor Tile, Stuck On, 12x12, Grey	Rooms 2, 4 & 12, 2nd	400 SF	No
7	NF	Floor Tile , 9x9, Brown	Rooms 2, 4 & 12, 3rd	400 SF	Yes
8	NF	Ceiling Tile, 2x4, White	Room 2	100 SF	No
9	NF	Linoleum & Paper Back, White	Room 9	40 SF	No
10	NF	Linoleum & Paper Back, Green	Room 11	80 SF	No
11	NF	Roof Shingles, Brown	Roof, 1st	1,000 SF	No
12	NF	Roof Shingles, Grey	Roof 2nd	1,000 SF	No
13	F	Roof Felt, Black	Roof 3rd	1,000 SF	No
14	F	House Wrap, Brown	Underwood Siding	3,200 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing





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Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

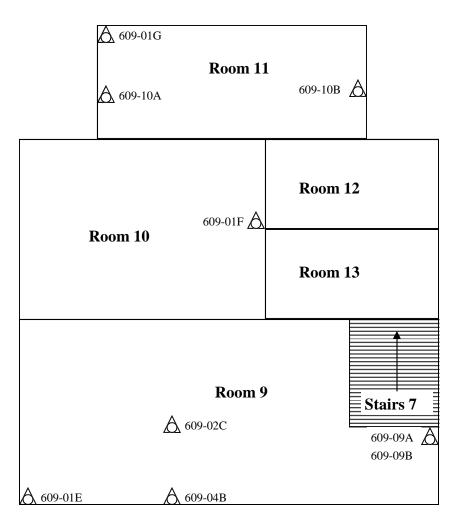
HAZ Hazardous materials

Sample Location

Tires

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Ingham County Land Bank 173527



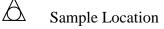
2nd floor



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

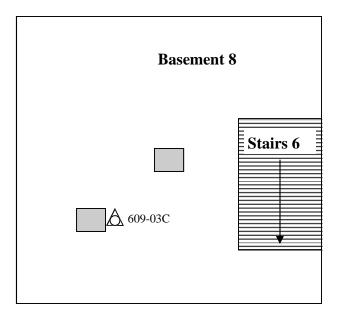
Ingham County Land Bank 173527

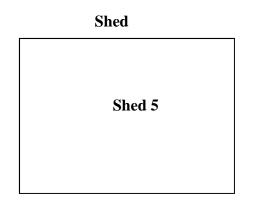
HAZ Hazardous materials



Tires

Basement



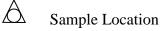




Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173527

HAZ Hazardous materials



Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015





Front of house/property

Side #1 of house/property





Back of house/property

Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015



Shed

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015



Refrigerator, Room 2



Refrigerator, Room 2



Ballasts, Fluorescent light tubes, 4ft or less, Room 2



Ballasts, Fluorescent light tubes, 4ft or less, Room 2

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015



Mercury Thermostat, Room 2

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-16-106-232
House No.	609 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/01/2015





Duct Insulation, Grey, Rooms 1, 2, 8

Floor Tile and Mastic, 9x9 Brown, Rooms 2, 4, 12, 3rd

Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-16-106-232

Project Location : Vacant Residence 609 W. Lapeer St., Lansing, MI

ETC Job : 173527

Report Date : 8/5/2015

Login #	Sample ID	Work Requested	Completed
356503	1A	Asbestos Analysis	08/05/2015
356504	1B	Asbestos Analysis	08/05/2015
356505	1C	Asbestos Analysis	08/05/2015
356506	1D	Asbestos Analysis	08/05/2015
356507	1E	Asbestos Analysis	08/05/2015
356508	1F	Asbestos Analysis	08/05/2015
356509	1G	Asbestos Analysis	08/05/2015
356510	2A	Asbestos Analysis	08/05/2015
356511	2B	Asbestos Analysis	08/05/2015
356512	2C	Asbestos Analysis	08/05/2015
356513	3A	Asbestos Analysis	08/05/2015
356514	3B	Asbestos Analysis	08/05/2015
356515	3C	Asbestos Analysis	08/05/2015
356516	4A	Asbestos Analysis	08/05/2015
356517	4B	Asbestos Analysis	08/05/2015
356518	5A	Asbestos Analysis	08/05/2015
356519	5B	Asbestos Analysis	08/05/2015
356520	6A	Asbestos Analysis	08/05/2015
356521	6B	Asbestos Analysis	08/05/2015
356522	7A	Asbestos Analysis	08/05/2015
356522	7A	Asbestos Analysis	08/05/2015

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Client Project : 33-01-01-16-106-232

ETC Job: 173527

Report Date: 8/5/2015

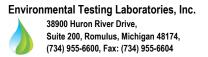
Login #	Sample ID	Work Requested	Completed
356523	7B	Asbestos Analysis	08/05/2015
356524	8A	Asbestos Analysis	08/05/2015
356525	8B	Asbestos Analysis	08/05/2015
356526	9A	Asbestos Analysis	08/05/2015
356527	9B	Asbestos Analysis	08/05/2015
356528	10A	Asbestos Analysis	08/05/2015
356529	10B	Asbestos Analysis	08/05/2015
356530	11A	Asbestos Analysis	08/05/2015
356531	11B	Asbestos Analysis	08/05/2015
356532	12A	Asbestos Analysis	08/05/2015
356533	12B	Asbestos Analysis	08/05/2015
356534	13A	Asbestos Analysis	08/05/2015
356535	13B	Asbestos Analysis	08/05/2015
356536	14A	Asbestos Analysis	08/05/2015
356537	14B	Asbestos Analysis	08/05/2015

Reviewed by:

Damywall

Quality Assurance Coordinator



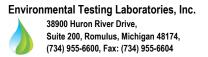


Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173527
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	609 W. Lapeer St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356503 1A Rm 1 Layer-1 Analyst: 5	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356503 1A Rm 1 Layer-2 Analyst: :	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected
356504 1B Rm 3 Layer-1 Analyst: 3	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356504 1B Rm 3 Layer-2 Analyst: 5	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected
356505 1C Rm 4 Layer-1 Analyst: 5	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356505 1C Rm 4 Layer-2 Analyst: :	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173527
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	609 W. Lapeer St., Lansing, MI	Buto Analyzou :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356506 1D Rm 2 Layer-1 Analyst:	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356506 1D Rm 2 Layer-2 Analyst:	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected
356507 1E Rm 9 Layer-1 Analyst:	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356507 1E Rm 9 Layer-2 Analyst:	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected
356508 1F Rm 10 Layer-1 Analyst:	Plaster Sarah Poirier	Grey Non-Fibrous Homogenous		100% Other	None Detected
356508 1F Rm 10 Layer-2 Analyst:	Skim Coat Sarah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected





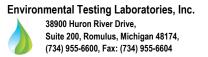
Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173527
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	609 W. Lapeer St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356509 1G Rm 11 Layer-1 Analyst: Sa	Plaster arah Poirier	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356509 1G Rm 11 Layer-2 Analyst: Sa	Skim Coat arah Poirier	White Non-Fibrous Homogenous		100% Other	None Detected
356510 2A Rm 1 Analyst: Sarah Poi	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
356511 2B Rm 1 Analyst: Sarah Poi	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
856512 2C Rm 9 Analyst: Sarah Poi	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
856513 3A Rm 1 Analyst: Sarah Poi	Duct Insulation	Grey Fibrous Homogenous	40% Cellulose	25% Other	35% Chrysotile
356514 3B Rm 2 Analyst: Sarah Poi	rier	Not Analyzed			

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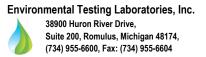


Polarized Light Microscopy Asbestos Analysis Report

	ETC Job :	173527
Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
38900 Huron River Drive	Date Collected :	08/01/2015
Romulus,MI 48174	Date Received :	08/03/2015
Vacant Residence		
609 W. Lapeer St., Lansing, MI		
	Romulus,MI 48174 Vacant Residence	Environmental Testing And Consulting Inc.Client Project :38900 Huron River DriveDate Collected :Romulus,MI 48174Date Received :Vacant ResidenceDate Analyzed :

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356515 3C Rm 8 Analyst: Sarah Poirier		Not Analyzed			
356516 4A Rm 1 Analyst: Sarah Poirier	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356517 4B Rm 9 Analyst: Sarah Poirier	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356518 5A Rm 2 Analyst: Sarah Poirier	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous		100% Other	None Detected
356519 5B Rm 4 Analyst: Sarah Poirier	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous		100% Other	None Detected
356520 6A Rm 2 Layer-1 Analyst: Saral	12x12 Stuck-On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356520 6A Rm 2 Layer-2 Analyst: Saral	Mastic n Poirier	Black Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173527
	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-232
	38900 Huron River Drive	Date Collected: 08/01/2015
	Romulus,MI 48174	Date Received : 08/03/2015
	Vacant Residence	
	609 W. Lapeer St., Lansing, MI	
Location :	Romulus,MI 48174 Vacant Residence	Date Collected : 08/01/2015 Date Received : 08/03/2015 Date Analyzed : 08/05/2015

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356521 6B Rm 4 Layer-1 Analyst: Sa	12x12 Stuck-On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356521 6B Rm 4 Layer-2 Analyst: Sa	Mastic arah Poirier	Black Non-Fibrous Homogenous		100% Other	None Detected
356522 7A Rm 2 Layer-1 Analyst: Sa	9x9 Floor Tile arah Poirier	Brown Non-Fibrous Homogenous		97% Other	3% Chrysotile
356522 7A Rm 2 Layer-2 Analyst: Sa	Mastic arah Poirier	Black Non-Fibrous Homogenous		100% Other	None Detected
356523 7B Rm 4 Layer-1 Analyst: Sa	ırah Poirier	Not Analyzed			
356523 7B Rm 4 Layer-2 Analyst: Sa	Mastic arah Poirier	Black Non-Fibrous Homogenous		100% Other	None Detected
356524 8A Rm 2 Analyst: Sarah Poir	2x4 Ceiling Tile	White Fibrous Homogenous	60% Cellulose 40% Mineral wool		None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173527
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	609 W. Lapeer St., Lansing, MI	2	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356525 8B Rm 2 Analyst: Sarah P	2x4 Ceiling Tile oirier	White Fibrous Homogenous	60% Cellulose 40% Mineral wool		None Detected
356526 9A Rm 9 Layer-1 Analyst:	Linoleum Sarah Poirier	White Fibrous Homogenous	70% Cellulose	30% Other	None Detected
356526 9A Rm 9 Layer-2 Analyst:	Mastic Sarah Poirier	Brown Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356527 9B Rm 9 Layer-1 Analyst:	Linoleum Sarah Poirier	White Fibrous Homogenous	70% Cellulose	30% Other	None Detected
356527 9B Rm 9 Layer-2 Analyst:	Mastic Sarah Poirier	Brown Non-Fibrous Homogenous		100% Other	None Detected
356528 10A Rm 11 Analyst: Sarah P	Linoleum oirier	Green Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356529 10B Rm 11 Analyst: Sarah P	Linoleum	Green Fibrous Homogenous	35% Cellulose	65% Other	None Detected

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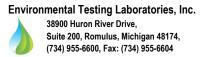
Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173527
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-106-232
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	08/05/2015
	609 W. Lapeer St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356530 11A Ext Analyst: Sarah Poirier	Roof Shingle	Brown Fibrous Homogenous	25% Fiberglass	75% Other	None Detected
356531 11B Ext Analyst: Sarah Poirier	Roof Shingle	Brown Fibrous Homogenous	25% Fiberglass	75% Other	None Detected
356532 12A Ext Analyst: Sarah Poirier	Roof Shingle	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356533 12B Ext Analyst: Sarah Poirier	Roof Shingle	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356534 13A Ext Analyst: Sarah Poirier	Roof Felt	Black Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356535 13B Ext Analyst: Sarah Poirier	Roof Felt	Black Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356536 14A Ext Analyst: Sarah Poirier	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected

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Polarized Light Microscopy Asbestos Analysis Report

	ETC Job : 173527
To: Environmental Testing And Consulting Inc.	Client Project : 33-01-01-16-106-232
38900 Huron River Drive	Date Collected : 08/01/2015
Romulus,MI 48174	Date Received : 08/03/2015
Location : Vacant Residence	Date Analyzed : 08/05/2015
609 W. Lapeer St., Lansing, MI	Date Analyzed : 00/00/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356537 14B Ext Analyst: Sarah Poirier	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected

Jengo

Lab Supervisor/Other Signatory

Larah M. Princes

Analyst: Sarah Poirier

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261

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Asbestos Material Sampling Summary Sheet Surfacing materials

Revision date 2/23/2015

Υ.

Job #:	173527	Building	" <i>6</i> E	PW.Laper	Date: 8-1	/	d
Materio) Ao.	Material Description .	Friable (P) / Non-Friablo (HF)		Sample Location Nas4 only be room	Misterial Located Arroughout blag (Plance List all Rooms)	Guantity	Picture #
1	Mazarian Plaster Grey/Wood lattice	F	AB CDE F) 356503 _ 356504 Y 356505 2 356506 9 356507 10 356508	157 an 1 1700	600074	167960
2	Material: Fastured (Giling White	F	B	// 356509 / 356510 / 356511 9 356512	RM 1,9 Ceiling	600 ³ 74	167902

:1000 SF = 3 samples

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a strategies and the

Asbestos Material Sampling Summary Sheet TSI (Thermal System Insulation) materials

Revision date 2/25/2015

Job the	173527	Building:	6	09 W. Lapcer	Date: 8-/		D(<u>5</u>
Materia) Bù.	Balatat Description	Frisbie (F) / Hon-Frisbie (NF)	Somple Lattor	Bampiu Locallan Need only be room	Material Located throughout biog (Places List all Reems)	<u> </u>	Pietare #
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B samples with the exception of patches loss than 5 LF or 6 SF, then only 3 sample

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job#:	-173527	Building:	60	7. N. Lapeer	Date: 🗸 – /	1-1S	
Material ng,	.Matarial Description.	Filabis (F) / Non-Filabis (Ni ⁻)	Sample Littur	Sample Location Need only be room	Pateliai Localed ihroughout bidg (Pisess List all Roome)	Quentity	Picsure #
4	Material: Window Glaize Description INN:1C	NF	A R	/ 356 516 9 356517	1SFEndFloor Basement	<i>CO</i> .	162419
S	Material: PloorTile Stuckon Description 12x12 Bluckrey	NF	A B	356518 356519	R.m. 8,4,12 15+	40074	
G	Material: Floor Tile Stuckon Description 12412 Grey	NF	A E	9 356521	Rm 214,12 Encl	400°P+	162937
7	an a	NF	A B	<u>г 356522</u> 4 35 6523	3rd	400F+	162937
8	Materials Certify Tite Description 2x4 white/While	WF	A B	<u>2</u> 356524 2 356525	RmZ	1007ff	162942
9	Material: 1/10/jun + paperbucking. Description White	NF	A	4 356526 9 356527	Rm9	40F2	163019
10	Material Inolium - 1 payerbacking Description Green	NF	A	<u>1/</u> 356528 1/ 356529		8074	163047
((Materiali Root Shiring le Description Rown	WF	A B	// // 956501	Roof 15t	100074	163100
.12	Materials RootShivile Description Grey	NF	A B	<u>exterior 356532</u> 11, 11, 356533	Roofzin	100074	163100
13	entarental: <u>Root Felt</u> Description <u>Blanck</u>	F	B	externe 356534 11 1 356535	Roofzrd	ivali	163100

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Ashastos Material Sampling Summary Sheet Miscellaneous materials

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145421541 11.9.	Material Description	Frizble (F) (Non-Frizbie (NF)	Sangit Lalier	Szmiple Loceilco Nead wily be room	Material Located Droughout heig (Please List all Rosme)		Picture #
24	Noteriali Ababaarap Description Blann	F	A. B	CALCE / 356530	LINDErwood Siding	LOS	4
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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank
3024 Turner Street
Lansing, MI 48906
Lansing, Mi 40900

Parcel:	33-01-01-16-108-171
House No:	521 N. Walnut St., Lansing, MI 48933
Date Inspected:	08/01/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2	Garage	Detached
Square Footage	1,600 SF	Garage Square Footage	400 SF
Basement Square Footage	800 SF	Garage Siding	Wood
Siding	Aluminum Sided & Wood	Garage Color	White
Color	White	Garage Shingles	Asphalt Shingle
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

TABLE 1	
Date Inspected:	08/01/2015
House No.	521 N. Walnut St., Lansing, MI 48933
Parcel:	33-01-01-16-108-171

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Refrigerator	1	Room 8
Refrigerator	1	Room 18
Above Ground Storage Tank: Appears Empty	1	Room 13
Ballasts	1	Room 12
Fluorescent light tubes, 4ft or less	2	Room 12

TIRE(s) REPORT

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

33-01-01-16-108-171

521 N. Walnut St., Lansing, MI 48933

Date Inspected:

08/01/2015

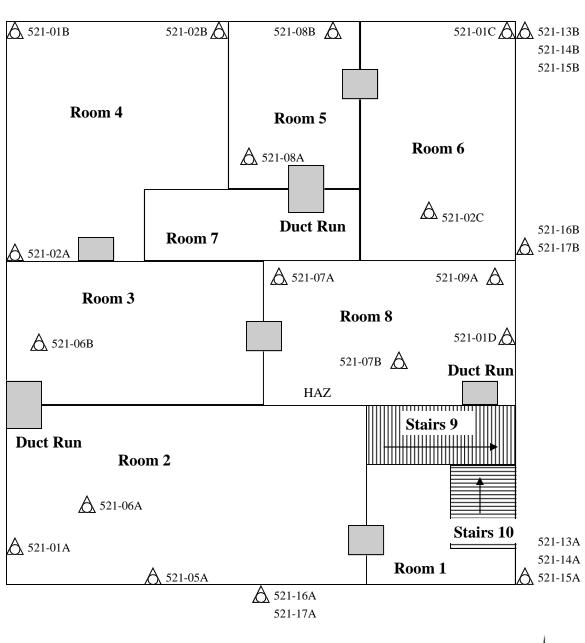
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor	8,600 SF	No
2	F	Textured Ceiling, White	Room 4 Walls, Room 6 Ceil- ings	600 SF	No
3	F	Duct Insulation, Grey	1st Floor & Basement, 3 Duct Runs for 2nd Floor	640 SF	Yes
4	F	Hvac Sleeve, Black	Room 12	4 SF	No
5	NF	Window Glaze, White	1st & 2nd Floor & Basement	23 Windows	No
6	NF	Ceiling Tile, 12x12, White & Brown	Rooms 2-4	500 SF	No
7	NF	Ceiling Tile, Stuck On, 12x12, Glue & Grey	Room 8	200 SF	No
8	NF	Linoleum & Paper Back, White	Room 5	100 SF	No
9	NF	Ceiling Tile, 2x4, White/Grey	Rooms 8 & 13	250 SF	No
10	NF	Linoleum & Paper Back, Red	Room 15	150 SF	No
11	NF	Floor Tile, Stuck On, 12x12, White & Black	Room 18, 1st	200 SF	No
12	NF	Linoleum & Paper Back, Blue	Room 18, 2nd	200 SF	No
13	NF	Roof Shingle, Grey	Roof of House & Garage, 1st	2,000 SF	No
14	NF	Roof Shingle, Brown & Grey	Roof of House & Garage, 2nd	2,000 SF	No
15	F	Roof Felt, Black	Roof of House & Garage, 3rd	2,000 SF	No
16	F	Cardboard, Brown	Under Aluminum Siding, 2nd	5,000 SF	No
17	F	House Wrap, Brown	Under Wood Siding, 4th	5,000 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



1st floor

* N

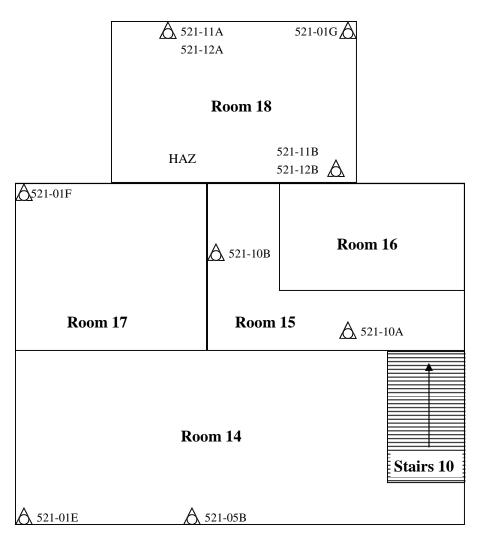
Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

HAZ Hazardous materials

Sample Location

Tires

Ingham County Land Bank 173528



2nd floor



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

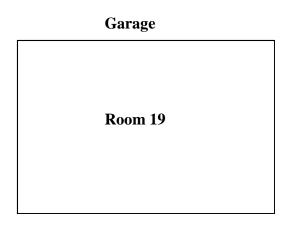
Ingham County Land Bank 173528

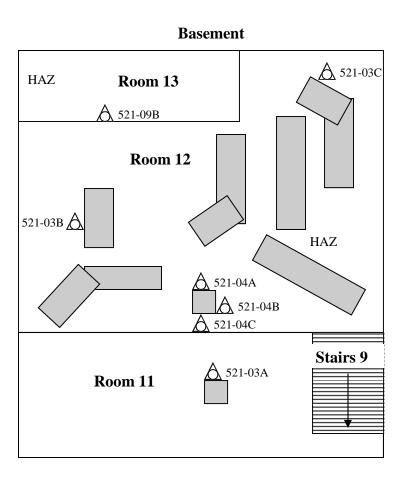
HAZ Hazardous materials

Sample Location

Tires

A





* N

HAZ Hazardous materials



Sample Location

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

Tires

Ingham County Land Bank 173528 Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-16-108-171
House No.	521 N. Walnut St., Lansing, MI 48933
Date Inspected:	08/01/2015





Front of house/property

Side #1 of house/property



Back of house/property



Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-16-108-171
House No.	521 N. Walnut St., Lansing, MI 48933
Date Inspected:	08/01/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-108-171
House No.	521 N. Walnut St., Lansing, MI 48933
Date Inspected:	08/01/2015



Refrigerator, Room 8



Refrigerator, Room 18



Above Ground Storage Tank: Appears Empty, Room 13



Ballasts, Fluorescent light tubes, 4ft or less, Room 12

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-16-108-171
House No.	521 N. Walnut St., Lansing, MI 48933
Date Inspected:	08/01/2015



Duct Insulation, 1st Floor & Basement 3 Duct Runs to 2nd Floor Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-16-108-171

Project Location : Vacant Residence 521 N. Walnut St., Lansing, MI

ETC Job : 173528

Report Date: 8/6/2015

Login #	Sample ID	Work Requested	Completed
356570	1A	Asbestos Analysis	08/06/2015
356571	1B	Asbestos Analysis	08/06/2015
356572	1C	Asbestos Analysis	08/06/2015
356573	1D	Asbestos Analysis	08/06/2015
356574	1E	Asbestos Analysis	08/06/2015
356575	1F	Asbestos Analysis	08/06/2015
356576	1G	Asbestos Analysis	08/06/2015
356577	2A	Asbestos Analysis	08/06/2015
356578	2B	Asbestos Analysis	08/06/2015
356579	2C	Asbestos Analysis	08/06/2015
356580	ЗА	Asbestos Analysis	08/06/2015
356581	3B	Asbestos Analysis	08/06/2015
356582	3C	Asbestos Analysis	08/06/2015
356583	4A	Asbestos Analysis	08/06/2015
356584	4B	Asbestos Analysis	08/06/2015
356585	4C	Asbestos Analysis	08/06/2015
356586	5A	Asbestos Analysis	08/06/2015
356587	5B	Asbestos Analysis	08/06/2015
356588	6A	Asbestos Analysis	08/06/2015
356589	6B	Asbestos Analysis	08/06/2015

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ETC Job: 173528

Report Date : 8/6/2015

Login #	Sample ID	Work Requested	Completed
356590	7A	Asbestos Analysis	08/06/2015
356591	7B	Asbestos Analysis	08/06/2015
356592	8A	Asbestos Analysis	08/06/2015
356593	8B	Asbestos Analysis	08/06/2015
356594	9A	Asbestos Analysis	08/06/2015
356595	9B	Asbestos Analysis	08/06/2015
356596	10A	Asbestos Analysis	08/06/2015
356597	10B	Asbestos Analysis	08/06/2015
356598	11A	Asbestos Analysis	08/06/2015
356599	11B	Asbestos Analysis	08/06/2015
356600	12A	Asbestos Analysis	08/06/2015
356601	12B	Asbestos Analysis	08/06/2015
356602	13A	Asbestos Analysis	08/06/2015
356603	13B	Asbestos Analysis	08/06/2015
356604	14A	Asbestos Analysis	08/06/2015
356605	14B	Asbestos Analysis	08/06/2015
356606	15A	Asbestos Analysis	08/06/2015
356607	15B	Asbestos Analysis	08/06/2015
356608	16A	Asbestos Analysis	08/06/2015
356609	16B	Asbestos Analysis	08/06/2015
356610	17A	Asbestos Analysis	08/06/2015
356611	17B	Asbestos Analysis	08/06/2015

Reviewed by:

Wall

Quality Assurance Coordinator

ETC Job: 173528

Report Date: 8/6/2015

Login # Sample ID Work Requested	Completed
----------------------------------	-----------

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Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
Location :	38900 Huron River Drive Romulus,MI 48174	Date Collected :	08/01/2015
		Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/06/2015
	521 N. Walnut St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356570 1A Rm 2 Layer-1 Analyst: Ke	Plaster elsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356570 1A Rm 2 Layer-2 Analyst: Ke	Skim Coat elsey Siembor	White Non-Fibrous Homogenous		100% Other	None Detected
356571 1B Rm 4 Layer-1 Analyst: Ke	Plaster elsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356571 1B Rm 4 Layer-2 Analyst: Ke	Skim Coat	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356572 1C Rm 6 Layer-1 Analyst: Ke	Plaster elsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356572 1C Rm 6 Layer-2 Analyst: Ke	Skim Coat elsey Siembor	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/06/2015
	521 N. Walnut St., Lansing, MI	Bato Analyzou :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356573 1D Rm 8 Layer-1 Analyst:	Plaster Kelsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356573 1D Rm 8 Layer-2 Analyst:	Skim Coat Kelsey Siembor	White Non-Fibrous Homogenous		100% Other	None Detected
356574 1E Rm 14 Layer-1 Analyst:	Plaster Kelsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356574 1E Rm 14 Layer-2 Analyst:	Skim Coat Kelsey Siembor	White Non-Fibrous Homogenous		100% Other	None Detected
356575 1F Rm 17 Layer-1 Analyst:	Plaster Kelsey Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356575 1F Rm 17 Layer-2 Analyst:	Skim Coat Kelsey Siembor	White Non-Fibrous Homogenous		100% Other	None Detected





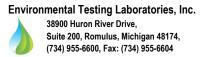
Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	521 N. Walnut St., Lansing, MI	Dute Analyzeu .	00/00/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356576 1G Rm 18 _ayer-1 Analyst: Kelse	Plaster y Siembor	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356576 IG Rm 18 Layer-2 Analyst: Kelse	Skim Coat y Siembor	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356577 2A Rm 4 Analyst: Kelsey Siembo	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
856578 2B Rm 4 Analyst: Kelsey Siembo	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356579 2C Rm 6 Analyst: Kelsey Siembo	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356580 3A Rm 11 Analyst: Kelsey Siembo	Duct Insulation	Grey Fibrous Homogenous	40% Cellulose	40% Other	20% Chrysotile
356581 3B Rm 12		Not Analyzed			

Analyst: Kelsey Siembor





Polarized Light Microscopy Asbestos Analysis Report

	ETC Job :	173528
Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
38900 Huron River Drive	Date Collected :	08/01/2015
Romulus,MI 48174	Date Received :	08/03/2015
Vacant Residence		
521 N. Walnut St., Lansing, MI	Buto Analyzou i	00,00,2010
	Romulus,MI 48174 Vacant Residence	38900 Huron River DriveDate Collected :Romulus,MI 48174Date Received :Vacant ResidenceDate Analyzed :

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356582 3C Rm 12 Analyst: Kelsey Si	iembor	Not Analyzed			
356583 4A Rm 12 Analyst: Kelsey Si	HVAC Sleeve	Black Non-Fibrous Homogenous		100% Other	None Detected
356584 4B Rm 12 Analyst: Kelsey Si	HVAC Sleeve	Black Non-Fibrous Homogenous		100% Other	None Detected
356585 4C Rm 12 Analyst: Kelsey Si	HVAC Sleeve	Black Non-Fibrous Homogenous		100% Other	None Detected
356586 5A Rm 2 Analyst: Kelsey Si	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356587 5B Rm 4 Analyst: Kelsey Si	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356588 6A Rm 2 Analyst: Kelsey Si	12x12 Ceiling Tile	White/Brown Fibrous Homogenous	100% Cellulose		None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173528
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	521 N. Walnut St., Lansing, MI	Date Analyzeu .	00,00,2010

Sample I	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356589 6B Rm 3 Analyst: Kelsey Siembol	12x12 Ceiling Tile	White/Brown Fibrous Homogenous	100% Cellulose		None Detected
356590 7A Rm 8 Analyst: Kelsey Siembor	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356591 7B Rm 6 Analyst: Kelsey Siembol	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356592 3A Rm 5 Analyst: Kelsey Siembol	Linoleum	White Fibrous Homogenous	70% Cellulose	30% Other	None Detected
356593 8B Rm 5 Analyst: Kelsey Siembor	Linoleum	White Fibrous Homogenous	70% Cellulose	30% Other	None Detected
356594 9A Rm 8 Analyst: Kelsey Siembol	2x4 Ceiling Tile	White/Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356595 9B Rm 13 Analyst: Kelsey Siembol	2x4 Ceiling Tile	White/Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	08/06/2015
	521 N. Walnut St., Lansing, MI	j	

Sample D	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356596 10A Rm 15 Layer-1 Analyst: Kelsey :	Linoleum Siembor	Red Non-Fibrous Homogenous		100% Other	None Detected
356596 10A Rm 15 Layer-2 Analyst: Kelsey :	Paper Backing Siembor	Brown Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356597 10B Rm 15 Layer-1 Analyst: Kelsey :	Linoleum Siembor	Red Non-Fibrous Homogenous		100% Other	None Detected
356597 10B Rm 15 Layer-2 Analyst: Kelsey :	Paper Backing Siembor	Brown Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356598 11A Rm 18 Analyst: Kelsey Siembor	12x12 Stuck-On Floor Tile	White/Black Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356599 11B Rm 18 Analyst: Kelsey Siembor	12x12 Stuck-On Floor Tile	White/Black Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	08/06/2015
	521 N. Walnut St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356600 12A Rm 18 Layer-1 Analyst:	Linoleum Kelsey Siembor	Blue Non-Fibrous Homogenous		100% Other	None Detected
356600 12A Rm 18 Layer-2 Analyst:	Paper Backing Kelsey Siembor	Brown Fibrous Homogenous	80% Cellulose	20% Other	None Detected
356601 12B Rm 18 Layer-1 Analyst:	Linoleum Kelsey Siembor	Blue Non-Fibrous Homogenous		100% Other	None Detected
356601 12B Rm 18 Layer-2 Analyst:	Paper Backing Kelsey Siembor	Brown Fibrous Homogenous	80% Cellulose	20% Other	None Detected
356602 13A Ext Analyst: Kelsey \$	Roof Shingle Siembor	Grey Non-Fibrous Homogenous	15% Fiberglass	85% Other	None Detected
356603 13B Ext Analyst: Kelsey S	Roof Shingle Siembor	Grey Non-Fibrous Homogenous	10% Fiberglass	90% Other	None Detected
356604 14A Ext Analyst: Kelsey S	Roof Shingle Siembor	Brown/Grey Non-Fibrous Homogenous	20% Fiberglass	80% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	521 N. Walnut St., Lansing, MI	Sate Analyzeu :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356605 14B Ext Analyst: Kelsey Si	Roof Shingle	Brown/Grey Non-Fibrous Homogenous	20% Fiberglass	80% Other	None Detected
356606 15A Ext Analyst: Kelsey Si	Roof Felt	Black Non-Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356607 15B Ext Analyst: Kelsey Sid	Roof Felt	Black Non-Fibrous Homogenous	80% Cellulose	20% Other	None Detected
356608 16A Ext Analyst: Kelsey Si	Cardboard	Brown Fibrous Homogenous	100% Cellulose		None Detected
356609 16B Ext Analyst: Kelsey Si	Cardboard	Brown Fibrous Homogenous	100% Cellulose		None Detected
356610 17A Ext Analyst: Kelsey Sid	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected
356611 17B Ext Analyst: Kelsey Si	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173528
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-171
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	521 N. Walnut St., Lansing, MI		

Appearance	% Fibrous	% Non-Fibrous	% Asbestos
		In	y Su
	Appearance	Appearance % Fibrous	Appearance % Fibrous % Non-Fibrous

Analyst: Kelsey Siembor

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600
 FAX: (734) 992-2261
www.2ell.com

Bulk Asbestos Chain of Custody

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Cilent		ETL Project #: 173528
ETC	Contact: Tammy Wall	Project Location/neme:
Address:	Phone:	
	Fax:	521 N. Walnut
	E-mail:	
Please Proulds Desute	e-mail: results@2etc.com ax = Verbal = Other	Client Project #:
Tippingue and the		Date Sampled: 8/1/15
Turnaround Time (TAT):	🗆 RUSH 🛛 Same Day 🛛 24 hr 🖾 48 hr	Standard (3+ days) Other
X DI M ED AGONT AND	PLM Instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (Standa	and method)	X Stop at day Down
Point Counting: 400 Points*		X Stop at 1st Positive -
D PLM Non-Building Material (Dust, Wip	e, Tape)	Clearly mark Homogenous Group
Additional charge and turnaround may be requ	lired	Soil or Vermiculite Analysis *
Lab ID. Sample ID	Simple Semantic States	
356570 14-6	Sample Location	Material Description
	·	
2A-C		
56611 34-C		
4A-C		<u> </u>
5A_R		· · ·
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1710	i	
Marine ITA-B		
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uished (Name/Organization):	Ja	Date Time
uished (Name/Organization):	William - A	8/2/15 Inne
scopical Analysis (Name/ET(.):	<i>f k</i>	8413
e Logh (Name/E?(.):		
<u>is (Name/ETL):</u>		815115
Review (Name/ETL):		01310
l Instructions:		

Form ETL206: Chain of Custody; Revision A

Asbestos Material Sampling Summary Sheet Surfacing materials

4

Job #:	173578	Building	5	21 N. Walnut	Date: 8-	/- 20	1.5
Material no	Material Description	Frieble (F) / Noa-Frieble (NF)	Sample Lottor	Sample Location Reed billy be room	Material Locateri Broughout blág (Plense f. ist all Rooms)	Guantity	Picture #
	Material: <u>Plaster</u> Grep 1 Wood lattice	F		4 6 5 7 17 18 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5	Stand Floor	8008 h	f 191412
2	Material: Textured Ceiling White	F	A C	4 355 77 4 35657 8 356579	Rm4 walls Rm6(e;1,'1)	6004	(41472
	Matpriat				900000,400,000,000,000,000,000,000,000,0	() () () () () () () () () () () () () (naisinnen , franjanska

:1000 SF = 3 samples

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Asbestos Material Sampling Summary Sheet TSI (Thermal System Insulation) materials

Revision vate 2/23/2015

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Job#:	173528	Building:	-52	NiWalnut	Date: 8-	/20	515
filalerial Ră	Halsial Description	Friable (*) <i>1</i> Non-Friable (NF)	Sompte Løttor	Bample Location Next only be room	Materisi Locatod Sirbugiyosi bidg (Planca Liet ali Scome)	Quahtity	Pisturia#
3	Metarial: Duct insulation Description Grey	F	A B C	1/ 36580 12 36581 12 36582	Ist Floor t 13 ascment 3 Duct Runs to Zad Floor	6487)	141454
4	Material H.Vac Steeve Description Black	F	ABU	12 356583 12 356585	Rm 12	4 <i>24</i> .	141509
	Material; Description			۳۳. «۳۰۰ «۵۰» «۵۰» «۵۰» «۵۰» «۵۰» «۵۰» «۵۰» «۵	۳۵ <u>۵۹۹ - ۱۹۵۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹ - ۱۹۹۹</u>	angun an an Aran an Annaichte ann 2	halulaEm¥alaa
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	Materiel: Description			994-99-99-99-99-99-99-99-99-99-99-99-99-	997999994 997999994 496 496 496 496 496 496 497 497 498 499 499 499 499 499 499 499 499 499		
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*)******	Wateris Description				₩15794959µmmq+mgg+q+q+m2++qkykakkm44442ggggg		442 - 1 99 9 - 1 994 - 1 994

a samples with the exception of patches less than 6 iF or 6 SF, then only 1 samples

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #:	173578	Buliding:	<u>52[</u>	N. Walnut	Date: 8-/-	15	
Materiat no.	.Mistarial ប៊ី១១៩៥២អ៊ីលា.	Filadila (F)./ Non-Filadila (NF)	Sample Litter	Sample Location Nact only be roam	Məfetiai Loqatrd ibioxşhart bidğ (Piraso List all Rooma)	Quentity	Piclure #
5	Material: Window Glaze Description White	WF	A B	2 356586 4 25658 7	1st End 174001+ Basement	23	14154y
6	Material (Pilica Tile Description 12x12 White Brown	NF	A B	356588 356588	RM 213,4	500g	<u>191558</u>
7	Moterial: Floor Tile Starkon Description Nr. 12 Blac Grey	NF	A B	8 35659 0 6 35659 1	KM B	20034	141610
в	Material: 100/04 + papet backing Description White	WF	A B	5 35659 5 35659		103-A4	191620
9	Braterial: Childy Tile Description 2411 While 1Grey	WF	A B	<u>8 356594</u> 13 356595		2507A	1916 32
10	Material: 1,106 Jium + papecharkiz	WF	B	/ <u>5</u> 356596 / <u>5</u> 356597		1.50 ⁷ A	191701
11	Materials FloorTile Strike on Description 12x12 White Black	WF	A	356 599/8 356598	174	20079	191718
12	Materiali (100/14m 1 Paperbacking. Description RIVE	WF	B	18: 356600 18: 356601	Rull End	20034	191718
13	Material: Root Shiry)c	NF	B	-Cx/e 06 35660 (1 1 35660	Rootofflowsc Carage 15+	20084	18/958
14	Description Brown Grep	NF	B	exects 35660 11 1 35660	6 Garage 2nd	, Zocoff	181 458

2 samples

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1

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Asbestos Material Sumpling Summary Sheet Miscellaneous materials

Revision date 2/23/2015

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ob #:		Building:	jorgenterniseris, singles	N. Walnut	Date: 8-1	- <i>^</i> S	nada ya kata kuka ku
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16	Matestali Carlboard Description 1970 W-1		B	CARCION 35660	Baraye 3d	50024	Carner Woolweiter auf an fei
17	Natorial: House wap Description	F	<u>A</u>	Protector 35661	Lunderwood Siding 41th	2	
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ļ	Alexaniae Description	• · · • • • • • • • • • • • • • • • • •		97 1979 1979 1979 1979 1979 1979 1979 1	n de en anticipation de la constantina de la constantina de la constantina de la constantina de la constantina Anticipation de la constantina de la cons	2017-00 19-00 19-00 19-00 19-00 19-00 19-00	⁹⁰ 969-9000 'argina a

Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-16-108-241		
House No:	417 W. Lapeer St., Lansing, MI 48933		
Date Inspected:	08/04/2015		
Inspected By:	Forrest Budd		
Inspectors State Card #	A-37627		

Building Information

No. Stories	2 + Attic	Garage	Detached
Square Footage	1,200 SF	Garage Square Footage	300 SF
Basement Square Footage	600 SF	Garage Siding	Wood
Siding	Vinyl Sided & Wood	Garage Color	White
Color	White	Garage Shingles	Asphalt Shingle
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas		-	•





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Refrigerator	1	Room 5
Freezer	1	Room 5
Fire Extinguisher	1	Room 5
Fire Extinguisher	1	Room 10
Paint Can (Latex)	2	Room 6
Paint Can (Latex)	4	Room 10
Mercury Thermostat	1	Room 2

TIRE(s) REPORT

Material

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-16-108-241

417 W. Lapeer St., Lansing, MI 48933

08/04/2015

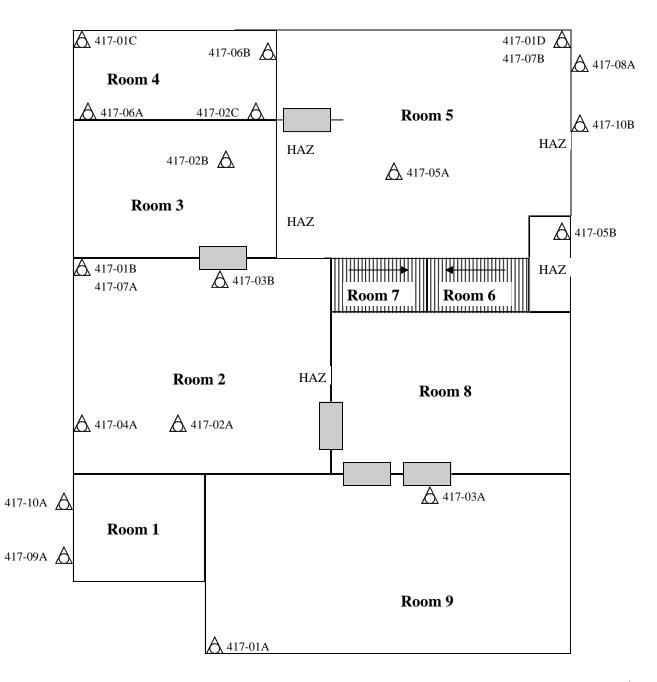
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor	6,800 SF	No
2	F	Textured Ceiling, White	Rooms 2-4 Ceiling, Room 12 Wall	700 SF	No
3	F	Duct Insulation, Grey	1st Floor & Basement 1 Duct Run to 2nd Floor	260 SF	Yes
4	NF	Window Glaze, White	1st & 2nd Floor & Basement	22 Windows	No
5	NF	Floor Tile, Stuck On, Grey	Rooms 5 & 6	250 SF	No
6	NF	Linoleum & Paper Back, White	Room 4	100 SF	No
7	F	Blown-In, White	1st & 2nd Floor Exterior Walls	3,600 SF	No
8	NF	Roof Shingle, Grey Green	Roof of House & Garage, 1st	2,000 SF	No
9	NF	Roof Shingle, Green	Roof of House & Garage, 2nd	2,000 SF	No
10	F	House Wrap, Black	Underwood Siding	3,800 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



*

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

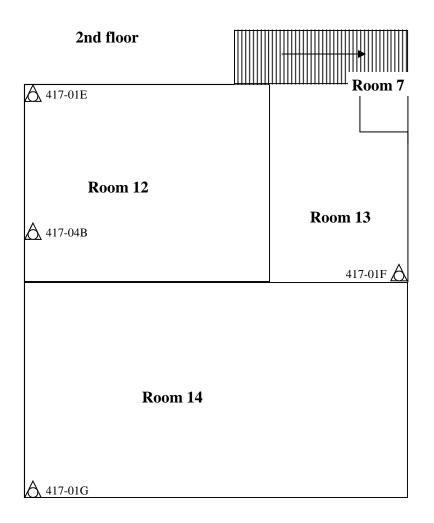
> Ingham County Land Bank 173529

HAZ Hazardous materials

Tires

Sample Location

Â



HAZ Hazardous materials



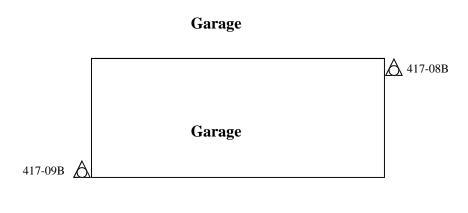
Sample Location

Tires

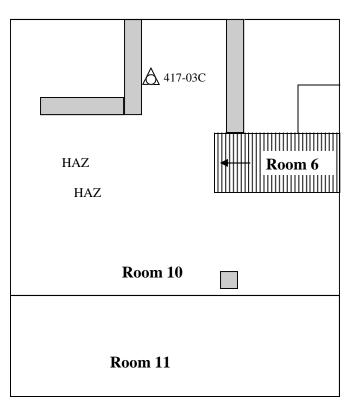


Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173529









Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173529

HAZ Hazardous materials



Sample Location

Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015





Front of house/property

Side #1 of house/property







Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015



Refrigerator, Room 5



Freezer, Room 5





Smoke Detector, Room 5

Fire Extinguisher, Room 10

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015



Paint Can (Latex), Room 6



Paint Can (Latex), Room 10



Mercury Thermostat, Room 2

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-16-108-241
House No.	417 W. Lapeer St., Lansing, MI 48933
Date Inspected:	08/04/2015



Duct Insulation, 1st Floor & Basement, 1 Duct Run to 2nd Floor Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Project Location : Vacant Residence 417 W. Lapeer St., Lansing, MI

Attention :

357167

357168

Client Project : 33-01-01-16-108-241

ETC Job : 173529 Report Date : 8/10/2015

Sample ID Login # Work Requested Completed 357149 Asbestos Analysis 08/10/2015 1A 357150 08/10/2015 1B Asbestos Analysis 357151 1C Asbestos Analysis 08/10/2015 357152 1D Asbestos Analysis 08/10/2015 357153 1E Asbestos Analysis 08/10/2015 357154 1F Asbestos Analysis 08/10/2015 357155 1G Asbestos Analysis 08/10/2015 357156 2A 08/10/2015 Asbestos Analysis 357157 2B 08/10/2015 Asbestos Analysis 357158 08/10/2015 2C Asbestos Analysis 357159 3A 08/10/2015 Asbestos Analysis 357160 3B Asbestos Analysis 08/10/2015 357161 3C 08/10/2015 Asbestos Analysis 357162 08/10/2015 4A Asbestos Analysis 357163 08/10/2015 4B Asbestos Analysis 357164 08/10/2015 5A Asbestos Analysis 357165 5B Asbestos Analysis 08/10/2015 357166 6A Asbestos Analysis 08/10/2015

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.

Asbestos Analysis

Asbestos Analysis

6B

7A

08/10/2015

08/10/2015

ETC Job: 173529

Report Date : 8/10/2015

Login #	Sample ID	Work Requested	Completed
357169	7B	Asbestos Analysis	08/10/2015
357170	8A	Asbestos Analysis	08/10/2015
357171	8B	Asbestos Analysis	08/10/2015
357172	9A	Asbestos Analysis	08/10/2015
357173	9B	Asbestos Analysis	08/10/2015
357174	10A	Asbestos Analysis	08/10/2015
357230	10B	Asbestos Analysis	08/10/2015

Reviewed by:

amywall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173529
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-241
	38900 Huron River Drive	Date Collected :	08/04/2015
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	
	417 W. Lapeer St., Lansing, MI	Dute Analyzeu .	00,10,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357149 1A 9 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357150 1B 2 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357151 1C 4 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357152 1D 5 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357153 1E 12 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357154 1F 13 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357155 1G 14 Analyst: Shea B	Plaster urgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173529
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-241
	38900 Huron River Drive	Date Collected :	08/04/2015
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	
	417 W. Lapeer St., Lansing, MI	Bato Analyzou :	00,10,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357156 2A 2 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357157 2B 3 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357158 2C 4 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357159 3A 9 Analyst: Shea Burge	Duct Insulation	Grey Fibrous Homogenous		70% Other	30% Chrysotile
357160 3B 2 Analyst: Shea Burge	eson	Not Analyzed			
357161 3C 10 Analyst: Shea Burge	eson	Not Analyzed			
357162 4A 2 Analyst: Shea Burge	Window Glaze	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected



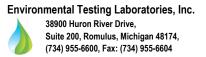


Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173529
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-241
	38900 Huron River Drive	Date Collected :	08/04/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	417 W. Lapeer St., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357163 4B 12 Analyst: Shea Burgeso	Window Glaze	White Non-Fibrous Homogenous		100% Other	None Detected
357164 5A 5 Analyst: Shea Burgeso	Stuck-On Floor Tile	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357165 5B 6 Analyst: Shea Burgeso	Stuck-On Floor Tile	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357166 6A 4 Analyst: Shea Burgeso	Linoleum	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357167 6B 4 Analyst: Shea Burgeso	Linoleum	White Non-Fibrous Homogenous		100% Other	None Detected
357168 7A 2 Analyst: Shea Burgeso	Blown-In Insulation	White Fibrous Homogenous	1% Cellulose 90% Mineral wool	9% Other	None Detected
357169 7B 5 Analyst: Shea Burges	Blown-In Insulation	White Fibrous Homogenous	90% Mineral wool	10% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173529
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-241
	38900 Huron River Drive	Date Collected :	08/04/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	417 W. Lapeer St., Lansing, MI	Dato / maly200 i	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357170 8A Exterior Analyst: Shea Bu	Roof Shingle urgeson	Grey/Green Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357171 8B Exterior Analyst: Shea Bu	Roof Shingle	Grey/Green Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357172 9A Exterior Analyst: Shea Bu	Roof Shingle	Green Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
357173 9B Exterior Analyst: Shea Bu	Roof Shingle	Green Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357174 10A Exterior Analyst: Shea Bu	House Wrap	Black Fibrous Homogenous	75% Cellulose	25% Other	None Detected
357230 10B Exterior Analyst: Shea Bu	House Wrap urgeson	Black Fibrous Homogenous	70% Cellulose	30% Other	None Detected

Jengl

Lab Supervisor/Other Signatory

Shea Burgeom

Analyst: Shea Burgeson





Polarized Light Microscopy Asbestos Analysis Report

Appearance

		ETC Job :	173529
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-108-241
	38900 Huron River Drive	Date Collected :	08/04/2015
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	08/10/2015
	417 W. Lapeer St., Lansing, MI		

Sample

Description

% Fibrous

% Non-Fibrous

% Asbestos

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

à	38800 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600
6	FAX: (734) 992-2261
	WWW.2ell.com

. . . .

Bulk Asbestos Chain of Custody

		ETL Project #: 1 1 2 C 20
Cilent: ETC	Contact:	173529
	Contact: Tammy Wall Phone:	Project Locetlon/name:
Address:	Fax:	- 417 W. Lapeer
	Famalit	
Please Provide Results: X Email	□ Fax □ Verbal □ Other	Client Project #:
Transaction of the		Date Sampled: 8/4/15
Turnaround Time (TA	T): DIRUSH DISame Day Di 24 hr Di 48	hr E Slandard (3+ days) C Other
	PLM Instructions (Check eli Ihal apply)	
X PLM EPA600/R-93/116, 1993 (Standard method)	N et
LI Point Counting: 400 Points*		X Stop at 1st Positive -
PLM Non-Building Material (Due	st, Wipe, Tape)	Clearly mark Homogenous Group
Additional charge and lumaround may	be required	□ Soll or Vermiculite Analysis *
Lab ID Sample ID	Sample Location	
7 149 11 - C	Sample Location	Material Description>
ZA-C		
34-6		
YA-B		
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Asbestos Material Sampling Summary Sheet Surfacing materials

Revision date 2/23/2015

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Job #:	173520	Building	: 41	T. W. LaDEEr	Date: 8-4	/- 20	15
Material no.	Matula Description .	Friable (Fy/ Non-Friable (NF)	Sample Lotter	Sampia Location Neos only be room	Material Loceled Broughout blog (Pleaso List all Rooms)	Quantity	Picture #
)	Mazeria: Plaster Gray 1 wood lattice	F	94410 0 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 .	.680 <i>64</i> 9	131325
2	Material: Textured Certhing While	F		2 <u>357156</u> <u>3</u> 357157 <u>4</u> 357158	1	700 ³ 21-	132389
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:1000 SF = 3 semples

1

Asbestos Material Sampling Summary Sheet TSI (Thermal System Insulation) materials

Job #:	173524	Building:	41	T. W. Legeccc	Date: 8 - 2,	1- 20	D(D
Material NG,	Ma∖střať Deşor≱ti⊂n	Palasia (F) / Non-Frieble (NF)	Somite Latter	Sampie Location Need only be reom	Material Located Groughant bilg (Planon List all Rooms)	Quantity	Pixtura #
3	Matarial: <u>Puctinsulation</u> Description Grey	F	A B U	2 2 10 2 357159 2 357159 2 357159	15t Ploor + Bascinent 1 Dact Run to 2 n J Floor	260 ³ 44	131348
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	Material: Description			944			
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	Material: Description				997799730-00 - 00 - 00 - 00 - 00 - 00 - 00 - 0	ine Japani, person per se des de la del d La del de la	

B samples with the exception of patches less than B IF or 6 SF, then only 1 sample

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Asbestos Material Sampling Summary Sheet Miscellaneous materials

lob #:	173529	Sullding:	4	IT W. Lapec	Date: 8-4	-15	
fsalaitet no.	Matarial Dascilation.	Pilabis (F) (Nan-Friszla (NF)	Sample Letter	Sample Location Need only be room	Material Located throughout blig (Please List all Rooms)	Quenfity	Ploture N
H	Raterial: W.M.D.O.W. Glarice Description W.U.L.	NF	A B	Z 357162 12 357163	1st 2nd Floor Basement	2Z.	132417
S	Majoriak FlogsTile Stuckon Description Frey	WF	B.	<u>5 357164</u> 6 357165	RM 5, G	250A	13/427
G	Material (Nolignat) aperbacking Description White	NF	A- B	4 357166 4 357167	Rm4	100741	131439
7	Material: 13/0000 10 Description While	15-	<u>4</u> <u>3</u>	and the second	14 End Floor CHERIB Covalle	L	131507
C	Materiali Roof Sh.M. 14 Description Green	NF	B	<u>execosec</u> 357170 <u>111</u> 357171	Rotofflourse	20007	12(33)
9	Material: Roof Shiwill Description Material: Waterial water	NF	BA	Preprior 35717	Copfot House Garage Int underwood	2000 47	1
10	Material: <u>h-lpcl 56 (1975)</u> Description <u>B</u> (aLK	1-	B	<u> </u>	. ^	390 BPA	13150)
	Description Material:						
	Description Material:				*** 		
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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

	_a
Parcel:	33010116358141
House No:	5 Savoy Ct., Lansing, MI 48933
Date Inspected:	August 2, 2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2	Garage	No Garage
Square Footage	1,400 SF	Garage Square Footage	
Basement Square Footage	700 SF	Garage Siding	
Siding	Transite	Garage Color	
Color	Purple	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel: House No.	33010116358141 5 Savoy Ct., Lansing	, MI 48933	
Date Inspected:	August 2, 2015		
	TABLE 1		
	HAZARDOUS MA	ATERIALS	
Material Description	Quantity & Units	Location	
Mercury Thermostat	1	Room 1	

TIRE(s) REPORT

Quantity & Units

Location

None observed above household quantities

Material

Parcel:

House No.

Date Inspected:

33010116358141

5 Savoy Ct., Lansing, MI 48933

August 2, 2015

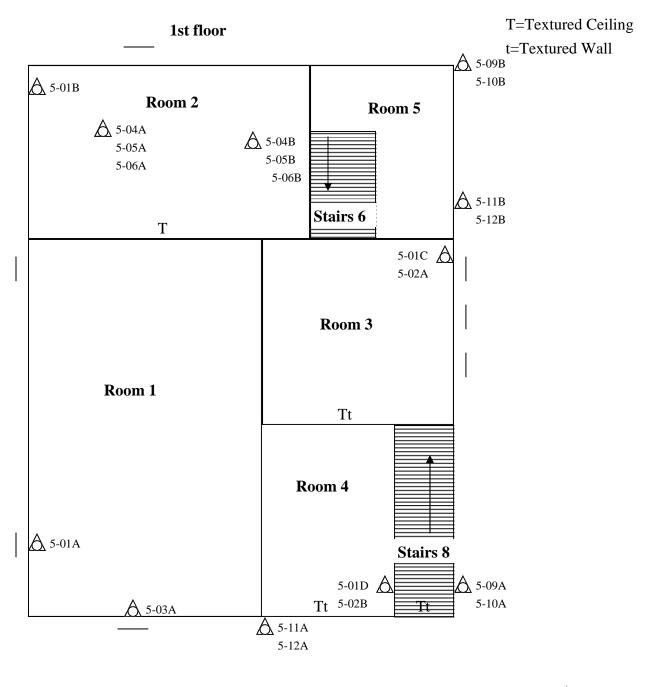
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor, Basement	7600 SF	Yes
2	F	Textured Ceiling, White	Room 2, 1st Floor	4600 SF	No
3	NF	Window Glaze, White	Room 2, 2nd Floor	24 Windows	No
4	NF	Floor Tile, Stuck On, 12x12, White	Room 2, 3rd Floor	200 SF	No
5	NF	Floor Tile, Stuck On, 12x12, Blue & Grey	Room 12	200 SF	No
6	NF	Linoleum & Paper Backing, White	2nd Floor Ceiling	200 SF	No
7	NF	Linoleum & Paper Backing, Brown	Roof, 1st Floor	100 SF	No
8	F	Blown-In, Black	Roof, 2nd Floor	200 SF	No
9	NF	Roof Shingle, Grey	Roof, 1st Floor	1100 SF	No
10	F	Roof Felt, Black	Roof 2nd	1100 SF	No
11	NF	Transite Siding, Purple	Siding, 1st	4400 SF	Yes
12	F	Tar paper, Black	Under Transite, Siding, 2nd Floor	4400 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



*

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

HAZ Hazardous materials

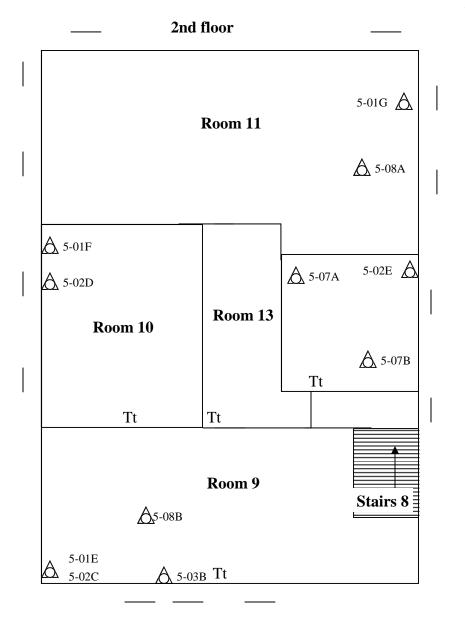
Sample Location

Tires

Â

Ingham County Land Bank 173530

T=Textured Ceiling t=Textured Wall





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

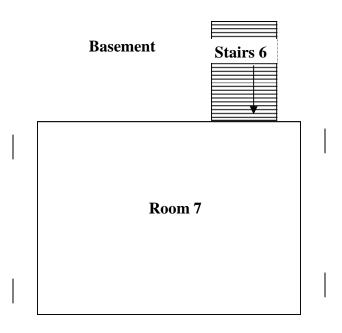
HAZ Hazardous materials

Sample Location

Tires

A

Ingham County Land Bank 173530





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173530

HAZ Hazardous materials



Sample Location

Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33010116358141
House No.	5 Savoy Ct., Lansing, MI 48933
Date Inspected:	August 2, 2015





Front of house/property

Side #1 of house/property







Side #2 of house/property

Representative Pictures of Hazardous Materials

Parcel:	33010116358141
House No.	5 Savoy Ct., Lansing, MI 48933
Date Inspected:	August 2, 2015



Mercury Thermostat, Room 1

Representative Pictures of Asbestos Containing Material

Parcel:	33010116358141
House No.	5 Savoy Ct., Lansing, MI 48933
Date Inspected:	August 2, 2015





Plaster, Grey, Wood Lattice, 1st/2nd Floor

Transite Siding, Purple, Siding, 1st

Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-16-358-141

Project Location : Vacant Residence 5 Savoy Ct., Lansing, MI

ETC Job : 173530 Report Date : 8/5/2015

Login #	Sample ID	Work Requested	Completed
356538	1A	Asbestos Analysis	08/05/2015
356539	1B	Asbestos Analysis	08/05/2015
356540	1C	Asbestos Analysis	08/05/2015
356541	1D	Asbestos Analysis	08/05/2015
356542	1E	Asbestos Analysis	08/05/2015
356543	1F	Asbestos Analysis	08/05/2015
356544	1G	Asbestos Analysis	08/05/2015
356545	2A	Asbestos Analysis	08/05/2015
356546	2B	Asbestos Analysis	08/05/2015
356547	2C	Asbestos Analysis	08/05/2015
356548	2D	Asbestos Analysis	08/05/2015
356549	2E	Asbestos Analysis	08/05/2015
356550	ЗА	Asbestos Analysis	08/05/2015
356551	3B	Asbestos Analysis	08/05/2015
356552	4A	Asbestos Analysis	08/05/2015
356553	4B	Asbestos Analysis	08/05/2015
356554	5A	Asbestos Analysis	08/05/2015
356555	5B	Asbestos Analysis	08/05/2015
356556	6A	Asbestos Analysis	08/05/2015
356557	6B	Asbestos Analysis	08/05/2015

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Page 1 of 9

ETC Job: 173530

Report Date: 8/5/2015

Login #	Sample ID	Work Requested	Completed
356558	7A	Asbestos Analysis	08/05/2015
356559	7B	Asbestos Analysis	08/05/2015
356560	8A	Asbestos Analysis	08/05/2015
356561	8B	Asbestos Analysis	08/05/2015
356562	9A	Asbestos Analysis	08/05/2015
356563	9B	Asbestos Analysis	08/05/2015
356564	10A	Asbestos Analysis	08/05/2015
356565	10B	Asbestos Analysis	08/05/2015
356566	11A	Asbestos Analysis	08/05/2015
356567	11B	Asbestos Analysis	08/05/2015
356568	12A	Asbestos Analysis	08/05/2015
356569	12B	Asbestos Analysis	08/05/2015

Reviewed by:

Dannzwall

Quality Assurance Coordinator



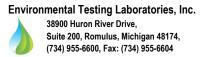


Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173530
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-358-141
	38900 Huron River Drive	Date Collected :	08/02/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	5 Savoy Ct., Lansing, MI	Buto Analyzou :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356538 1A Rm 1 Layer-1 Analyst:	Plaster Dave Cousino	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356538 1A Rm 1 Layer-2 Analyst:	Skim Coat Dave Cousino	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356539 1B Rm 2 Layer-1 Analyst:	Plaster Dave Cousino	Grey Non-Fibrous Homogenous	3% Cellulose	95% Other	2% Chrysotile
356539 1B Rm 2 Layer-2 Analyst:	Skim Coat Dave Cousino	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356540 1C Rm 3 Layer-1 Analyst:	Dave Cousino	Not Analyzed			
356540 1C Rm 3 Layer-2 Analyst:	Skim Coat Dave Cousino	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173530
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	38900 Huron River Drive	Date Collected :	08/02/2015
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	5 Savoy Ct., Lansing, MI	Date Analyzeu .	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356541 1D Rm 4 Layer-1 Analyst	: Dave Cousino	Not Analyzed			
356541 1D Rm 4 Layer-2 Analyst	Skim Coat : Dave Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356542 1E Rm 9 Layer-1 Analyst	: Dave Cousino	Not Analyzed			
356542 1E Rm 9 Layer-2 Analyst	Skim Coat : Dave Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356543 1F Rm 10 Layer-1 Analyst	: Dave Cousino	Not Analyzed			
356543 1F Rm 10 Layer-2 Analyst	Skim Coat : Dave Cousino	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

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	38900 Huron River Drive	Date Collected :	08/02/2015
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	5 Savoy Ct., Lansing, MI	Buto Analyzou :	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356544 1G Rm 11 Layer-1 Analyst: Dave (Cousino	Not Analyzed			
356544 1G Rm 11 Layer-2 Analyst: Dave (Skim Coat Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356545 2A Rm 3 Analyst: Dave Cousino	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356546 2B Rm 4 Analyst: Dave Cousino	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356547 2C Rm 9 Analyst: Dave Cousino	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356548 2D Rm 10 Analyst: Dave Cousino	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356549 2E Rm 12 Analyst: Dave Cousino	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

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Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	
	5 Savoy Ct., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356550 3A Rm 1 Analyst: Dave Cousino	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356551 3B Rm 9 Analyst: Dave Cousino	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356552 4A Rm 2 Analyst: Dave Cousino	12x12 Stuck-On Floor Tile	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356553 4B Rm 2 Analyst: Dave Cousino	12x12 Stuck-On Floor Tile	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356554 5A Rm 2 Analyst: Dave Cousino	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356555 5B Rm 2 Analyst: Dave Cousino	12x12 Stuck-On Floor Tile	Blue/Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356556 6A Rm 2 Analyst: Dave Cousino	Linoleum	Brown Fibrous Homogenous	40% Cellulose	60% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

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	38900 Huron River Drive	Date Collected :	08/02/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	08/05/2015
	5 Savoy Ct., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356557 6B Rm 2 Analyst: Dave Cousir	Linoleum	Brown Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356558 7A Rm 12 Layer-1 Analyst: Dav	Linoleum e Cousino	White Fibrous Homogenous	30% Cellulose	70% Other	None Detected
356558 7A Rm 12 Layer-2 Analyst: Dav	Paper Backing e Cousino	Tan Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356559 7B Rm 12 Layer-1 Analyst: Dav	Linoleum e Cousino	White Fibrous Homogenous	20% Cellulose	80% Other	None Detected
356559 7B Rm 12 Layer-2 Analyst: Dav	Paper Backing e Cousino	Tan Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356560 3A Rm 11 Analyst: Dave Cousir	Blown-In Insulation	Black Fibrous Homogenous	2% Cellulose 98% Mineral wool		None Detected
356561 8B Rm 9 Analyst: Dave Cousir	Blown-In Insulation	Black Fibrous Homogenous	3% Cellulose 97% Mineral wool		None Detected



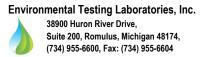


Polarized Light Microscopy Asbestos Analysis Report

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	38900 Huron River Drive	Date Collected :	08/02/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	5 Savoy Ct., Lansing, MI	Butt Analyzeu .	00/00/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356562 9A Ext Analyst: Dave Cousino	Roof Shingle	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356563 9B Ext Analyst: Dave Cousino	Roof Shingle	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356564 10A Ext Analyst: Dave Cousino	Roof Felt	Black Fibrous Homogenous	20% Cellulose	80% Other	None Detected
356565 10B Ext Analyst: Dave Cousino	Roof Felt	Black Fibrous Homogenous	30% Cellulose	70% Other	None Detected
356566 11A Ext Analyst: Dave Cousino	Transite Siding	Purple Non-Fibrous Homogenous	10% Cellulose	85% Other	5% Chrysotile
356567 11B Ext Analyst: Dave Cousino		Not Analyzed			
356568 12A Ext Analyst: Dave Cousino	Tar Paper	Black Fibrous Homogenous	25% Cellulose	75% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

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То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-16-358-141
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	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	5 Savoy Ct., Lansing, MI	Date Analyzeu .	00/05/2015

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356569 12B Ext Analyst: Dave Cousing	Tar Paper	Black Fibrous Homogenous	30% Cellulose	70% Other	None Detected

Jengl

Lab Supervisor/Other Signatory

Analyst: Dave Cousino

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

Славности и страновители и странови		Bulk Asbestos Chain of Custody
Client:		
ETC	Contact: Tammy Wall	Erc Project #: 173530
Address:	Phone:	Project Location/name:
	Fax:	- 5 Savoy Ct.
Please Provide Results: X Email	E-mail: results@2etc.com	Client Project #:
	e Fax a Verbal e Other	Date Sampisd: 8/2 //S
Turnaround Time (TAT)	: DRUSH OSame Day D24 hr D4	
	PLM Instructions	8 hr 🕑 Standard (3+ days) 🛛 Olher
X PLM EPAGOUR OPHICA ADDA	(Chack all that apply)	
X PLM EPA600/R-93/116, 1993 (St D Point Counting: 400 Points*	andard method)	X Stop at 1st Positive -
D PLM Non-Building Material (Dust	148	Clearly mark Homogenous Group
* Additional charge and lumaround may be	, wipe, Tape)	Soil or Vermiculite Analysis *
A STATE OF A		
And the share the second	Sample Location	and a subscription of the subscription of the
356338 14-6		Material Description
2A-F		
And		
356569 3A-B		
- V	 	
12A-B		
Contraction (200) 200 (200) [Contraction (200) [
ourse and the second		
elinquished (Name/Organization):	Prosoff	Dale Time
	no	
ceived (Name/ETL):	······································	18/8/15
eceived (Name/ETL):	MIAND	amba
ereoscopical Analysis (Name/ETL):	ousino	B/4/15 VA 10
ereoscopical Analysis (Name/ETL):		8/4/15 10:10 minut
ereoscopical Analysis (Name/ETL):	Coursin	B/4/15 VA 10

ampin
Remarks

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Asbestos Material Sampling Summary Siseet Surfacing materials

Revision date 2/23/2015

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Job #:	173530	Building	t 5	Savoy	Date: 8-	energia de la competencia de	
Materini no.	Material Description	Frlable (i7) / Non-Frieble (tiF)	Semple Lottor	Sample Location Need drily ite room	Material Locatori Arroughout blay (Please List all Rooms)	Queatity	Picture #
	Mazeriai Dlaster Grey rwood lattice	, F	A P C O W N G	1 356538 356539 356540 356541 356541 9 356542 10 356543 1 356543	15t Zud Floor	76007	105312
2	Material: Testured (Cilling) WM; 1.(Ŧ	ABC QU	3 356545 Y 356546 9 356547 10 356548 12 356549	ISF Znd Flocer	46084	105370
	Material:						

:1000 SF = 3 samples

1

a strategies and

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Revision date 2/23/2015

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Asbestos Material Sampling Summary Sheet Miscellaneous materials

.icb #:	173530	Building:	······································	5 Savoy	Date: Q-)	2-15	
fistorial no.	Miterial BaseAption	Filebia (F) Nan-Pristan (NF)	Sanaple Lotisr	Sample Location Need only be room	Natorial Located throughout bidg (Pitase Lisf all Rooms)	Quentity	Ficture #
3	Material: Window Graite Description White	NF	A-	/ <u>358550</u> 9 <u>356551</u>	Bosiment	24.	UNE 783
4	Maiorial: Floor Tile Acir Kain Description Dx/Z Wh. 42	WF	A	2 356552 2 356553	RMZ.	2034,	105333 105344
5.	Description 12412 Blue Grey	NF	A	2 356554	Rm Z Curd	70Z fi	
Ģ	Material: lipolium + Daperback 11	WF	A B	2 356556 2 356557	Rom Zard	-1030)	105346
7	Materiet: line/umi paper burty	NF	A B	<u>/7 356558</u> 12 35655 9	Rm 12	10= <u>21</u>	105414
6	Material: Blown in Description Slauk	(-	A (15	// <u>?56560</u> 355561	End Floor Certins	70674	105430
q	Material: Roof Shivide Description: Acci	WF	A	Qx416C 256562	Roof 16,9		1655.15
10	Materialis Rook-lep 17 Description Black	¥.	A B		Rooferd		105515
. ((Material: Transit Sidily Description: Purply	NF	A D		siding . 15t		10 5536
17	Oraction Day C	Ŧ	6) 07 .		له ا ا ا ا ا ا ا ا		105536

2 samples

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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Jovert Budd

Prepared by:

Forrest Budd , Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank						
3024 Turner Street						
Lansing, MI 48906						

Parcel:	33-01-01-20-134-132
House No:	914 Riverview Ave., Lansing, MI 48915
Date Inspected:	08/05/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	2	Garage	Attached
Square Footage	1,600 SF	Garage Square Footage	300 SF
Basement Square Footage	800 SF	Garage Siding	Wood
Siding	Wood & Cement	Garage Color	Green
Color	Green	Garage Shingles	Asphalt Shingle
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-20-134-132	
House No.	914 Riverview Ave., Lansing, MI 48915	
Date Inspected:	08/05/2015	
TABLE 1		
HAZARDOUS MATERIALS		

Material Description	Quantity & Units	Location
Refrigerator	1	Room 14
Freezer	1	Room 22

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

33-01-01-20-134-132

914 Riverview Ave., Lansing, MI 48915

Date Inspected:

08/05/2015

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

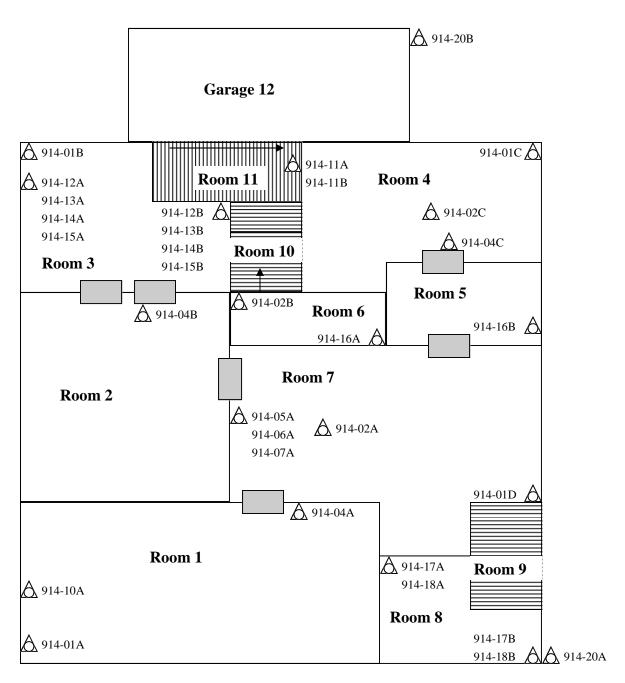
Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Wood Lattice	1st & 2nd Floor	8,400 SF	No
2	F	Texture Ceiling, White	Rooms 4, 6 & 7	500 SF	No
3	F	Popcorn Ceiling, White	Rooms 19-23 & 25	700 SF	No
4	F	Duct Insulation, Grey	1st Floor 3 Ducts	200 SF	Yes
5	F	Drywall, White	1st Floor & Basement	4,200 SF	No
6	F	Tape, White	1st Floor & Basement	4,200 SF	No
7	F	Mud, White	1st Floor & Basement	4,200 SF	No
8	NF	Linoleum & Paper Back, Brown	Room 20	100 SF	No
9	NF	Floor Tile, Stuck On, Grey, 12x12	Room 23	150 SF	No
10	NF	Window Glaze, White	1st & 2nd Floor & Basement	21 Windows	No
11	NF	Linoleum & Paper Back, White Green	Room 11	60 SF	No
12	NF	Floor Tile, Stuck On, 12x12, Brown	Room 3, 1st	200 SF	No
13	NF	Floor Tile, Stuck On, 12x12, White	Room 3, 2nd	200 SF	No
14	NF	Vapor Barrier, Orange Green	Room 3, 3rd	200 SF	No
15	NF	Linoleum & Paper Back, Brown	Room 3, 4th	200 SF	No
16	NF	Linoleum & Paper Back, White	Rooms 5 & 6	150 SF	No
17	NF	Ceiling Tile, 12x12, White Brown	Room 8	150 SF	No
18	NF	Glue Pods, Brown	Room 8	150 SF	No
19	NF	Linoleum & Paper Back, Brown	Room 17	80 SF	No
20	NF	Roof Shingle, Black	Roof of House & Garage	1,600 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

1st floor



* N

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

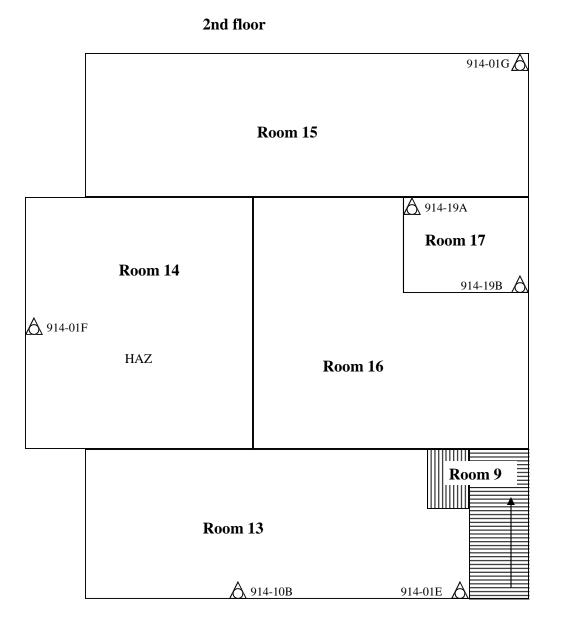
HAZ Hazardous materials

Sample Location

Tires

Ø

Ingham County Land Bank 173531



× N

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

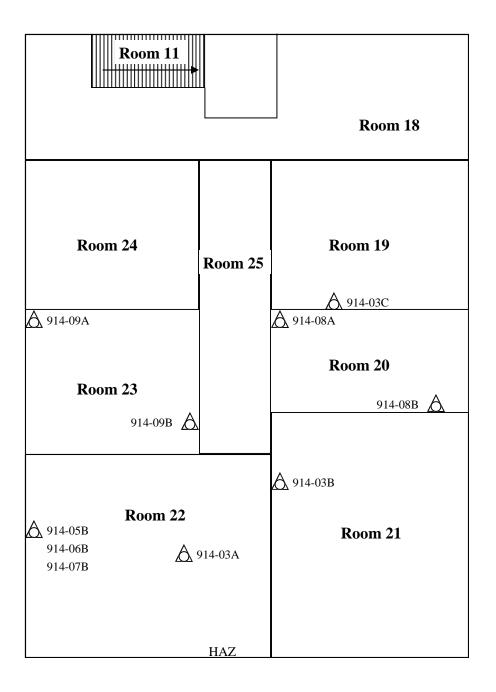
> Ingham County Land Bank 173531

HAZ Hazardous materials

Sample Location

Tires

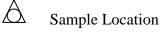
A





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

HAZ Hazardous materials



Tires

Ingham County Land Bank 173531 Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-20-134-132
House No.	914 Riverview Ave., Lansing, MI 48915
Date Inspected:	08/05/2015





Front of house/property

Side #1 of house/property



Back of house/property



Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-20-134-132
House No.	914 Riverview Ave., Lansing, MI 48915
Date Inspected:	08/05/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-20-134-132
House No.	914 Riverview Ave., Lansing, MI 48915
Date Inspected:	08/05/2015



Refrigerator, Room 14



Freezer, Room 22

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-20-134-132
House No.	914 Riverview Ave., Lansing, MI 48915
Date Inspected:	08/05/2015



Duct Insulation, 1st Floor, 3 Duct Runs Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To: Environmental Testing And Consulting Inc. 38900 Huron River Drive Romulus, MI 48174 Project Location : Vacant Residence 914 Riverview Ave., Lansing, MI

Attention : Roxanne Case

Client Project : 33-01-01-20-134-132

ETC Job : 173531 Report Date : 8/11/2015

357279 357280 357281	1A 1B 1C	Asbestos Analysis Asbestos Analysis	08/11/2015
		-	08/11/2015
257291	1C		
		Asbestos Analysis	08/11/2015
357282	1D	Asbestos Analysis	08/11/2015
357283	1E	Asbestos Analysis	08/11/2015
357284	1F	Asbestos Analysis	08/11/2015
357285	1G	Asbestos Analysis	08/11/2015
357286	2A	Asbestos Analysis	08/11/2015
357287	2B	Asbestos Analysis	08/11/2015
357288	2C	Asbestos Analysis	08/11/2015
357289	3A	Asbestos Analysis	08/11/2015
357290	3B	Asbestos Analysis	08/11/2015
357291	3C	Asbestos Analysis	08/11/2015
357292	4A	Asbestos Analysis	08/11/2015
357293	4B	Asbestos Analysis	08/11/2015
357294	4C	Asbestos Analysis	08/11/2015
357295	5A	Asbestos Analysis	08/11/2015
357296	5B	Asbestos Analysis	08/11/2015
357297	6A	Asbestos Analysis	08/11/2015
357298	6B	Asbestos Analysis	08/11/2015

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Page 1 of 12

Client Project : 33-01-01-20-134-132

ETC Job : 173531

Report Date : 8/11/2015

Login #	Sample ID	Work Requested	Completed
357299	7A	Asbestos Analysis	08/11/2015
357300	7B	Asbestos Analysis	08/11/2015
357301	8A	Asbestos Analysis	08/11/2015
357302	8B	Asbestos Analysis	08/11/2015
357303	9A	Asbestos Analysis	08/11/2015
357304	9B	Asbestos Analysis	08/11/2015
357305	10A	Asbestos Analysis	08/11/2015
357306	10B	Asbestos Analysis	08/11/2015
357307	11A	Asbestos Analysis	08/11/2015
357308	11B	Asbestos Analysis	08/11/2015
357309	12A	Asbestos Analysis	08/11/2015
357310	12B	Asbestos Analysis	08/11/2015
357311	13A	Asbestos Analysis	08/11/2015
357312	13B	Asbestos Analysis	08/11/2015
357313	14A	Asbestos Analysis	08/11/2015
357314	14B	Asbestos Analysis	08/11/2015
357315	15A	Asbestos Analysis	08/11/2015
357316	15B	Asbestos Analysis	08/11/2015
357317	16A	Asbestos Analysis	08/11/2015
357318	16B	Asbestos Analysis	08/11/2015
357319	17A	Asbestos Analysis	08/11/2015
357320	17B	Asbestos Analysis	08/11/2015
357321	18A	Asbestos Analysis	08/11/2015
357322	18B	Asbestos Analysis	08/11/2015
357323	19A	Asbestos Analysis	08/11/2015
357324	19B	Asbestos Analysis	08/11/2015
357325	20A	Asbestos Analysis	08/11/2015

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Page 2 of 12

ETC Job: 173531

Report Date : 8/11/2015

Login #	Sample ID	Work Requested	Completed
357326	20B	Asbestos Analysis	08/11/2015

Reviewed by:

Jamywall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173531
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
	38900 Huron River Drive	Date Collected :	08/05/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	08/11/2015
	914 Riverview Ave., Lansing, MI	-	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357279 1A 1 Layer-1 Analyst: H	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357279 1A 1 Layer-2 Analyst: ł	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous		100% Other	None Detected
357280 1B 3 Layer-1 Analyst: H	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357280 1B 3 Layer-2 Analyst: ł	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357281 1C 4 Layer-1 Analyst: H	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
357281 1C 4 Layer-2 Analyst: ł	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357282 1D 7 Analyst: Kaylin Ca	Plaster arey	Grey Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173531
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
	38900 Huron River Drive	Date Collected :	08/05/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	08/11/2015
	914 Riverview Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357283 1E 13 Layer-1 Analyst: I	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357283 1E 13 Layer-2 Analyst: I	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357284 1F 14 Layer-1 Analyst: I	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357284 1F 14 Layer-2 Analyst: I	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous		100% Other	None Detected
357285 1G 15 Layer-1 Analyst: I	Plaster Kaylin Carey	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357285 1G 15 Layer-2 Analyst: I	Skim Coat Kaylin Carey	White Non-Fibrous Homogenous		100% Other	None Detected
357286 2A 7 Analyst: Kaylin Ca	Textured Ceiling arey	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





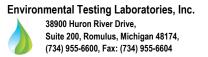
Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173531
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
38900 Huron River Drive	Date Collected :	08/05/2015	
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	914 Riverview Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357287 2B 6 Analyst: Kaylin Carey	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357288 2C 4 Analyst: Kaylin Carey	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357289 3A 22 Analyst: Kaylin Carey	Popcorn Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357290 3B 21 Analyst: Kaylin Carey	Popcorn Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357291 3C 19 Analyst: Kaylin Carey	Popcorn Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357292 4A 7 Analyst: Kaylin Carey	Duct Insulation	Grey Fibrous Homogenous		50% Other	50% Chrysotile
357293 4B 2 Analyst: Kaylin Carey		Not Analyzed			

Analyst: Kaylin Carey





Polarized Light Microscopy Asbestos Analysis Report

	ETC Job :	173531
Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
38900 Huron River Drive	Date Collected :	08/05/2015
Romulus,MI 48174	Date Received :	08/07/2015
Vacant Residence	Date Analvzed :	08/11/2015
914 Riverview Ave., Lansing, MI		
	Romulus,MI 48174 Vacant Residence	Environmental Testing And Consulting Inc.Client Project :38900 Huron River DriveDate Collected :Romulus,MI 48174Date Received :Vacant ResidenceDate Analyzed :

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357294 4C 4 Analyst: Kaylin Carey		Not Analyzed			
357295 5A 7 Analyst: Kaylin Carey	Drywall	White Non-Fibrous Homogenous		100% Other	None Detected
357296 5B 22 Analyst: Kaylin Carey	Drywall	White Non-Fibrous Homogenous		100% Other	None Detected
357297 6A 7 Analyst: Kaylin Carey	Таре	White Fibrous Homogenous	100% Cellulose		None Detected
357298 6B 22 Analyst: Kaylin Carey	Таре	White Fibrous Homogenous	100% Cellulose		None Detected
357299 7A 7 Analyst: Kaylin Carey	Mud	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357300 7B 22 Analyst: Kaylin Carey	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173531
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
38900 Huron River Drive	Date Collected :	08/05/2015	
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	08/11/2015
	914 Riverview Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357301 8A 20 Analyst: Kaylin C	Linoleum Carey	Brown Fibrous Homogenous	15% Cellulose	85% Other	None Detected
357302 8B 20 Analyst: Kaylin C	Linoleum Carey	Brown Fibrous Homogenous	20% Cellulose	80% Other	None Detected
357303 9A 23 Layer-1 Analyst:	12x12 Stuck-On Floor Tile Kaylin Carey	Grey Non-Fibrous Homogenous		100% Other	None Detected
357303 9A 23 Layer-2 Analyst:	Mastic Kaylin Carey	Black Non-Fibrous Homogenous		100% Other	None Detected
357304 9B 23 Layer-1 Analyst:	12x12 Stuck-On Floor Tile Kaylin Carey	Grey Non-Fibrous Homogenous		100% Other	None Detected
357304 9B 23 Layer-2 Analyst:	Mastic Kaylin Carey	Black Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357305 10A 1 Analyst: Kaylin C	Window Glaze Carey	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173531
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
	38900 Huron River Drive	Date Collected :	08/05/2015
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	914 Riverview Ave., Lansing, MI	Duto Analyzou :	00,11,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357306 10B 13 Analyst: Kaylin Carey	Window Glaze	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357307 11A 11 Analyst: Kaylin Carey	Linoleum	White/Green Fibrous Homogenous	8% Cellulose 92% Other fibrous		None Detected
357308 11B 11 Analyst: Kaylin Carey	Linoleum	White/Green Fibrous Homogenous	10% Cellulose 90% Other fibrous		None Detected
857309 12A 3 Analyst: Kaylin Carey	12x12 Stuck-On Floor Tile	Brown Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
357310 12B 3 Analyst: Kaylin Carey	12x12 Stuck-On Floor Tile	Brown Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357311 13A 3 Analyst: Kaylin Carey	12x12 Stuck-On Floor Tile	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357312 13B 3 Analyst: Kaylin Carey	12x12 Stuck-On Floor Tile	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected



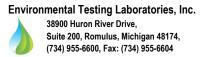


Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173531
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
38900 Huron River Drive	Date Collected :	08/05/2015	
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	08/11/2015
	914 Riverview Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357313 14A 3 Analyst: Kaylin Carey	Vapor Barrier	Orange/Green Fibrous Homogenous	10% Cellulose	90% Other	None Detected
357314 14B 3 Analyst: Kaylin Carey	Vapor Barrier	Orange/Green Fibrous Homogenous	10% Cellulose	90% Other	None Detected
357315 15A 3 Analyst: Kaylin Carey	Linoleum	Brown Non-Fibrous Homogenous	30% Cellulose	70% Other	None Detected
357316 15B 3 Analyst: Kaylin Carey	Linoleum	Brown Non-Fibrous Homogenous	30% Cellulose	70% Other	None Detected
357317 16A 6 Analyst: Kaylin Carey	Linoleum	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357318 16B 5 Analyst: Kaylin Carey	Linoleum	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357319 17A 8 Analyst: Kaylin Carey	12x12 Ceiling Tile	White/Brown Non-Fibrous Homogenous	100% Cellulose		None Detected



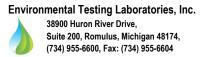


Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173531
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
38900 Huron River Drive	Date Collected :	08/05/2015	
Location :	Romulus,MI 48174	Date Received :	08/07/2015
	Vacant Residence	Date Analyzed :	
	914 Riverview Ave., Lansing, MI	Suc Analyzeu .	00,11,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357320 17B 8 Analyst: Kaylin Carey	12x12 Ceiling Tile	White/Brown Non-Fibrous Homogenous	100% Cellulose		None Detected
357321 18A 8 Analyst: Kaylin Carey	Glue Pod	Brown Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357322 18B 8 Analyst: Kaylin Carey	Glue Pod	Brown Non-Fibrous Homogenous		100% Other	None Detected
357323 19A 17 Analyst: Kaylin Carey	Linoleum	Brown Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
357324 19B 17 Analyst: Kaylin Carey	Linoleum	Brown Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357325 20A Exterior Analyst: Kaylin Carey	Roof Shingle	Black Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357326 20B Exterior Analyst: Kaylin Carey	Roof Shingle	Black Non-Fibrous Homogenous	2% Mineral wool	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

			ETC Job :	173531
	To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-134-132
		38900 Huron River Drive	Date Collected :	08/05/2015
		Romulus,MI 48174	Date Received :	08/07/2015
Lo	cation :	Vacant Residence	Date Analyzed :	
		914 Riverview Ave., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
l	rvisor/Other Signatory			K	ayk Cay
Lab Super	rvisor/Other Signatory				

Analyst: Kaylin Carey

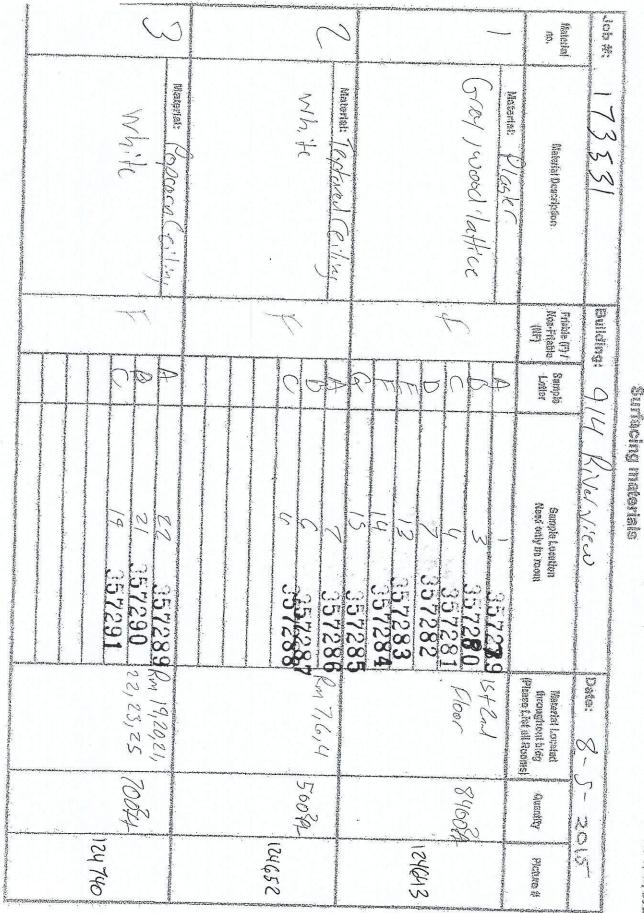
400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

	(734) 955-6600	AN 48174	Bulk Asbestos
	FAX: (734) 992-220 www.2etl.com	61	Chain of Custody
Client:	ETC	Contact: Tammy Wall	ETL Project #: 173531
Address:		Phone: Fax:	Project Location/name: 9.14 Riverview
Please Provi	de Results: X Email	Tesuits@2etc.com	Client Project #:
	Irnaround Time (TAT):		Date Sampled: 8/5/15
	Time (TAT):	🗆 RUSH 🛛 Same Day 🗍 24 hr 🗌 48	hr 🗹 Standard (3+ days) 🗆 Other
X PLM EPA6	00/R-93/116, 1993 (Sta	PLM Instructions (Check all that apply)	U Standard (3+ days) Other
- Tomic Coun	ling: 400 Points*		X Stop at 1st Positive -
PLM Non-E	Building Material (Dust, V	Vipe, Tape)	Clearly mark Homogenous Group
* Additional charg	ge and tumaround may be r	equired	□ Soil or Vermiculite Analysis *
Lab ID	Sample ID	1979-199 Difference of the second	
357219	11 G	Sample Location	Material Description
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	2A-C		
	3A-C		
	4A-r		
	FAA		
	5A-B		
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		•	
357326	20A-B	<u>.</u>	
Color Science Warning			
Relinguished (Name/Orga	inization): Notite	NSevel 1	Date Time
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lereoscopical Analysis (N		1 ceny	8/7/15 10:12 (iii)/m
ample Login (Name/ETL)	: 10 17		87/15 4:40 ambm
nalysis (Name/ETL):	Keyto	Ceyo	am/om
A/QC Review (Name/ETL):	V	8/7/15 4:40 ampm
pecial instructions:			am/pm
			Remarks

..

1000 - <5000 = 5 samples

a 1000 SF = 3 samples



Nevision date 2/23/2015

Ashestos Material Sampling Summary Sheet

the work of the

Asbestos Naterial Sampling Summary Sheet TSI (Thermal System Insulation) materials

Revision date 2/23/2015

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Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 2/23/2015

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Asbestos Material Sampling Summary Sinet Miscellancous materials

Revision date 2/23/2015

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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-20-135-021
House No:	909 Riverview Ave., Lansing, MI 48915
Date Inspected:	8/2/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	1	Garage	No Garage
Square Footage	500 SF	Garage Square Footage	
Basement Square Footage	500 SF	Garage Siding	
Siding	Vinyl/Wood	Garage Color	
Color	Grey	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas	All Vinyl Windows		





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

None observed above household quantities						
Material Description	Quantity & Units	Location				
HAZARDOUS MATERIALS						
TABLE 1						
Date Inspected:	8/2/2015					
House No.	909 Riverview Ave., I	ansing, MI 48915				
Parcel:	33-01-01-20-135-021					

TIRE(s) REPORT

Material

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

33-01-01-20-135-021

909 Riverview Ave., Lansing, MI 48915

Date Inspected:

8/2/2015

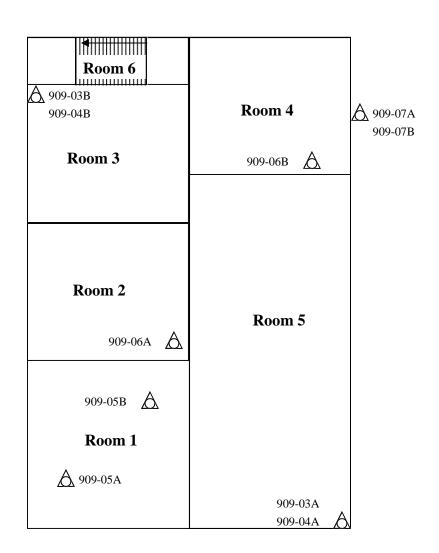
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Duct Insulation, Grey	Room 7	70 SF	Yes
2	F	Hvac Sleeve, Black	Room 7	4 SF	No
3	F	Drywall, White	1st Floor	2000 SF	No
4	F	Mud, White	1st Floor	2000 SF	No
5	NF	Floor Tile, Stuck On, 12x12, Brown	Room 1	150 SF	No
6	NF	Linoleum and Paper Backing, White	Rooms 2 and 4	250 SF	No
7	NF	Roof Shingle, Black	Roof	700 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

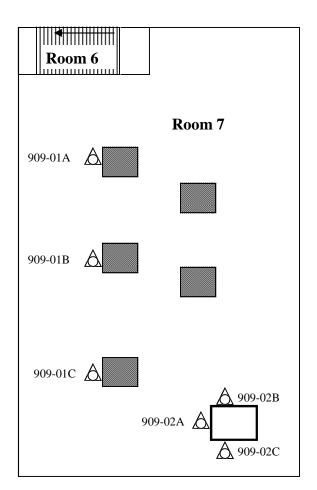
> Ingham County Land Bank 173532

HAZ Hazardous materials

Sample Location

Tires

A



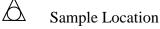
Basement



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173532

HAZ Hazardous materials



Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-20-135-021
House No.	909 Riverview Ave., Lansing, MI 48915
Date Inspected:	8/2/2015





Front of house/property

Side #1 of house/property



Back of house/property



Side #2 of house/property

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-20-135-021
House No.	909 Riverview Ave., Lansing, MI 48915
Date Inspected:	8/2/2015



Duct Insulation, Grey, Room 7

Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-20-135-021

Project Location : Vacant Residence 909 Riverview Ave., Lansing, MI

ETC Job: 173532

Report Date : 8/4/2015

Login #	Sample ID	Work Requested	Completed
356477	1A	Asbestos Analysis	08/04/2015
356478	1B	Asbestos Analysis	08/04/2015
356479	1C	Asbestos Analysis	08/04/2015
356480	2A	Asbestos Analysis	08/04/2015
356481	2B	Asbestos Analysis	08/04/2015
356482	2C	Asbestos Analysis	08/04/2015
356483	3A	Asbestos Analysis	08/04/2015
356484	3B	Asbestos Analysis	08/04/2015
356485	4A	Asbestos Analysis	08/04/2015
356486	4B	Asbestos Analysis	08/04/2015
356487	5A	Asbestos Analysis	08/04/2015
356488	5B	Asbestos Analysis	08/04/2015
356489	6A	Asbestos Analysis	08/04/2015
356490	6B	Asbestos Analysis	08/04/2015
356491	7A	Asbestos Analysis	08/04/2015
356492	7B	Asbestos Analysis	08/04/2015

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.

ETC Job: 173532

Report Date: 8/4/2015

Login #

Sample ID

Work Requested

Completed

Reviewed by:

Darmzwall

Quality Assurance Coordinator

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.





Polarized Light Microscopy Asbestos Analysis Report

To :		ETC Job :	173532
	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-135-021
	38900 Huron River Drive	Date Collected :	08/02/2015
Location :	Romulus,MI 48174	Date Received :	
	Vacant Residence	Date Analyzed :	
	909 Riverview Ave., Lansing, MI	Date Analyzeu .	00/04/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356477 1A Rm 7 Analyst: Kelsey	Duct Insulation Siembor	Grey Fibrous Homogenous	60% Cellulose	15% Other	25% Chrysotile
356478 1B Rm 7 Analyst: Kelsey	Siembor	Not Analyzed			
356479 1C Rm 7 Analyst: Kelsey	Siembor	Not Analyzed			
356480 2A Rm 7 Analyst: Kelsey	HVAC Sleeve Siembor	Black Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356481 2B Rm 7 Analyst: Kelsey	HVAC Sleeve Siembor	Black Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356482 2C Rm 7 Analyst: Kelsey	HVAC Sleeve Siembor	Black Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356483 3A Rm 5 Analyst: Kelsey	Drywall Siembor	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173532
То :	Environmental Testing And Consulting Inc.	Client Proiect :	33-01-01-20-135-021
	38900 Huron River Drive	Date Collected :	
Location :	Romulus,MI 48174	Date Received :	
	Vacant Residence	Date Analyzed :	
	909 Riverview Ave., Lansing, MI	Date Analyzeu .	00/04/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356484 3B Rm 3 Analyst: Kelsey Siem	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356485 4A Rm 5 Analyst: Kelsey Siem	Drywall Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356486 4B Rm 3 Analyst: Kelsey Siem	Drywall Mud	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356487 5A Rm 1 Analyst: Kelsey Siem	12x12 Stuck On Floor Tile	Brown Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356488 5B Rm 1 Analyst: Kelsey Siem	12x12 Stuck On Floor Tile	Brown Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356489 6A Rm 2 Layer-1 Analyst: Kels	Linoleum sey Siembor	White Fibrous Homogenous	5% Cellulose	95% Other	None Detected
356489 6A Rm 2 Layer-2 Analyst: Kels	Paper Backing sey Siembor	Brown Fibrous Homogenous	15% Cellulose	85% Other	None Detected

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R+93-116 & EPA 600/M+82/020 or NYSDOH-ELAP titem 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.





Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173532
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-20-135-021
	38900 Huron River Drive	Date Collected :	08/02/2015
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	909 Riverview Ave., Lansing, MI	Date Analyzeu .	00/04/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356490 6B Rm 4 Layer-1 Analyst: Ke	Linoleum elsey Siembor	White Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356490 6B Rm 4 Layer-2 Analyst: Ke	Paper Backing	Brown Fibrous Homogenous	10% Cellulose	90% Other	None Detected
356491 7A Ext Analyst: Kelsey Sie	Roof Shingle	Black Non-Fibrous Homogenous	2% Cellulose 20% Fiberglass	78% Other	None Detected
356492 7B Ext Analyst: Kelsey Sie	Roof Shingle	Black Non-Fibrous Homogenous	2% Cellulose 20% Fiberglass	78% Other	None Detected

Jengl

Lab Supervisor/Other Signatory

my Su

Analyst: Kelsey Siembor

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261

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Bulk Asbestos Chain of Custody

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www.2ell.com		
Client:		ETL Project #: 173532
ETC	Contact: Tammy Wall	Project Location/name:
Address:	Phone:	
	Fax:	909 Riverviews Au
Please Provide Results: X Email	E-mail: results@2etc.com	Client Project #:
	G Fax D Verbal G Other	Date Sempled: 8/2/15
Turnaround Time (TAT): CIRUSH I Same Day CI24 br II 48 br	
		🗹 Standard (3+ days) 🛛 Other
X DI M CDASSA	PLM instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (S	tandard method)	V ou
Point Counting: 400 Points*		X Stop at 1st Positive -
PLM Non-Building Material (Dusi	, Wipe, Tape)	Clearly mark Homogenous Group
* Additional charge and lumaround may b	e required	Soil or Vermiculite Analysis *
Lab ID Sample ID		
118 (Sample Location	Material Description
1/# E -C	356477-356492	
2A-C		· · · · · · · · · · · · · · · · · · ·
3A-B		
JHTB		
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		<u>8/4/15 9:00</u>

Special Instructions: am/pm ٩. • Remarks · .)• ۰. ۰. \mathcal{X}^{*} 10 · \$.j. /

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Asbestos Material Sampling Summary Sheet TSI (Thermal System Insulation) materials

Revision date 2/23/2015

Job #:	123532	Building:	.90	2 River yie	Date: 2-2	- 0	215
Malerial no.	Matatial Description	Friates (*) / Non-Friable (NF)	Samute Lottar	Bample Location Need only in mona	Material Located Material Located Microsoftant biog (Please List all Rooms)	Onablity	Pieturo #
)	Metorial: Duct insulation Departmention G-rey	F	A	356477 7 356478 356479	Rm T	70 <u>3</u> 4	115652
2	Metastali, <u>HVW 57-CCVC</u> Description Black	P	A B C	7 <u>556480</u> 7 <u>556481</u>	Run 7	4 27	
	Matorial; Description				ŢŔġĊŊĊŎŀĊĸĿĿĸĸŔŶŊĿŎĿŴŢŎŎŢĸĸŢĸŎĿĊĸĸŢĸĬĊ	<u></u>	<u>1(5 70</u> 8
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3 samples with the exception of patches less than 6 LF or 6 SF, then only 1 sample γ ۰. اند

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #:	173532	Sullding:	Ŷ	Riverview	Date: 8-2-	-15	
Baterial no.	Wateria: Description	Fileble (F) / Non-Franto (NF)	Senaple Lotter	Sauple Location Nead only be room	Metorial Locatori Inroughout bidg (Piraso List all Rooms)	Quantity	Ploture #
3	Pratorial: Drywall Description Wh. 3C	"F	H B	<u> </u>	15+17/00	2000,	115840
4	Material: Mad Description Mh, '#C	F	H B	, <u> </u>	157=1001	Zoco ² 1.	
S	Material: Floor Tile Styrkow	NF	H B	/ 356(87		15074-	
6	Material: / notion + paper bar has	NF	A B	<u> </u>	Rn 2, 4	7.50 ⁷ 4	115924
2	Material: Dopt Shihli Description Black	NF	B	<u> </u>	Root	703A	11392
	Material: Description			****			**************************************
	Material: Description		······		99 (de 1997) (de 1997) (de 1996)		
	Materiali Desciption				ระสารแขน เขาะ 		
	Materials. Description				41999-422	···	****
	Materia! Description				*****		

2 samples

Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-28-452-151
House No:	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	1 + Attic	Garage	Attached
Square Footage	800 SF	Garage Square Footage	300 SF
Basement Square Footage	800 SF	Garage Siding	Aluminum Sided, Wood & Asphalt
Siding	Aluminum Sided, Wood & Asphalt	Garage Color	White
Color	White	Garage Shingles	Asphalt Shingle
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Smoke Detector	1	Room 8
Ballasts	1	Room 3
Ballasts	1	Room 9
Ballasts	1	Room 11
Ballasts	3	Room 10
Fluorescent light tubes, 4ft or less	1	Room 3
Fluorescent light tubes, 4ft or less	4	Room 10
Mercury Thermostat	1	Room 8

TIRE(s) REPORT

Material

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

33-01-01-28-452-151

3146 S. Cedar St., Lansing, MI 48910

Date Inspected:

08/04/2015

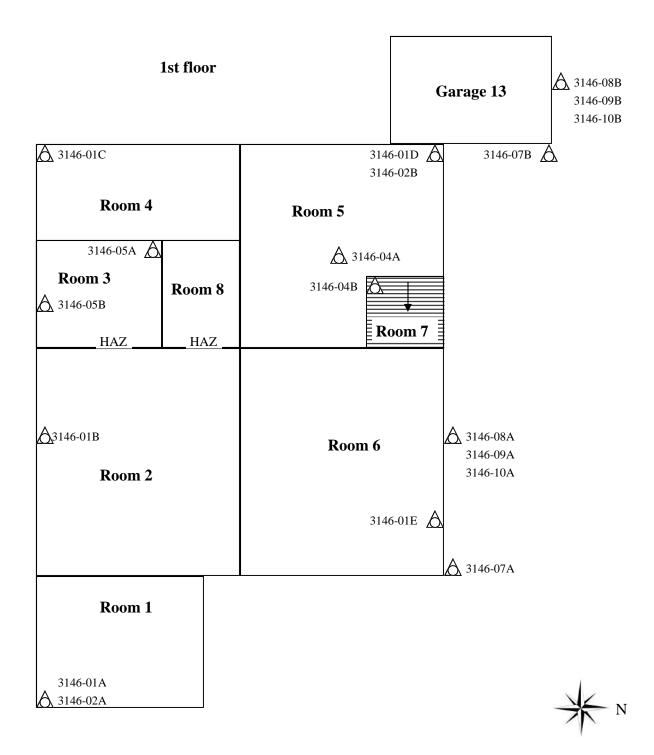
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, Grey, Drywall Backing	1st Floor	4,800 SF	No
2	F	Drywall, White	1st Floor & Room 11	5,100 SF	No
3	NF	Floor Tile, Stuck On, 12x12, Grey	Room 11	100 SF	No
4	NF	Linoleum & Paper Back, White	Rooms 5 & 7	250 SF	No
5	NF	Linoleum & Paper Back, White Or- ange	Room 3	100 SF	No
6	F	Vermiculite, Grey	1st Floor Ceiling	400 SF	Assumed
7	NF	Roof Shingles, Grey	Roof of House & Garage	1,400 SF	No
8	F	Cardboard, Brown	House & Garage 2nd	3,800 SF	No
9	NF	Asphalt Siding, Grey	House & Garage 3rd	3,800 SF	No
10	F	House Wrap, Brown	House & Garage 5th	3,800 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



HAZ Hazardous materials

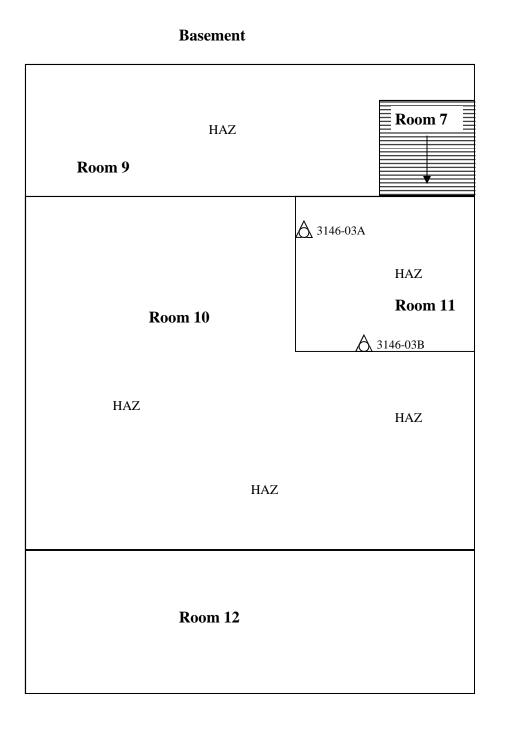


Sample Location

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

Tires

Ingham County Land Bank 173533



Hazardous materials



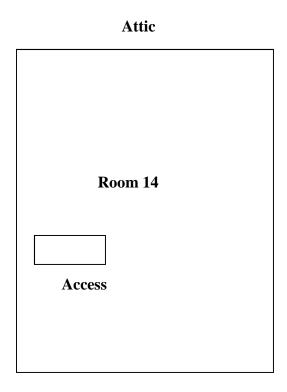
HAZ

Sample Location

Tires

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173533





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173533

HAZ Hazardous materials



Sample Location

Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015





Front of house/property

Side #1 of house/property





Back of house/property

Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015



Smoke Detector, Room 8



Ballasts, Room 3



Ballasts, Room 9



Ballasts, Fluorescent Light Tubes, 4ft or less, Room 11

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015



Ballasts, Room 10



Fluorescent Light Tubes, 4ft or less, Room 3



Fluorescent Light Tubes, 4ft or less, Room 4



Mercury Thermostat, Room 8

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-28-452-151
House No.	3146 S. Cedar St., Lansing, MI 48910
Date Inspected:	08/04/2015



Vermiculite, 1st Floor Ceiling Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To: Environmental Testing And Consulting Inc. 38900 Huron River Drive Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-28-452-151

Project Location : Vacant Residence 3146 S. Cedar St., Lansing, MI

ETC Job : 173533 Report Date : 8/7/2015

Login #	Sample ID	Work Requested	Completed
357472	1A	Asbestos Analysis	08/07/2015
357473	1B	Asbestos Analysis	08/07/2015
357474	1C	Asbestos Analysis	08/07/2015
357475	1D	Asbestos Analysis	08/07/2015
357476	1E	Asbestos Analysis	08/07/2015
357477	2A	Asbestos Analysis	08/07/2015
357478	2B	Asbestos Analysis	08/07/2015
357479	ЗА	Asbestos Analysis	08/07/2015
357480	3B	Asbestos Analysis	08/07/2015
357481	4A	Asbestos Analysis	08/07/2015
357482	4B	Asbestos Analysis	08/07/2015
357483	5A	Asbestos Analysis	08/07/2015
357484	5B	Asbestos Analysis	08/07/2015
357485	7A	Asbestos Analysis	08/07/2015
357486	7B	Asbestos Analysis	08/07/2015
357487	8A	Asbestos Analysis	08/07/2015
357488	8B	Asbestos Analysis	08/07/2015
357489	9A	Asbestos Analysis	08/07/2015
357490	9B	Asbestos Analysis	08/07/2015
357491	10A	Asbestos Analysis	08/07/2015

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Page 1 of 6

ETC Job: 173533

Report Date: 8/7/2015

Login #	Sample ID	Work Requested	Completed
357492	10B	Asbestos Analysis	08/07/2015

Reviewed by:

Dannzwall

Quality Assurance Coordinator

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Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173533
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-28-452-151
	38900 Huron River Drive	Date Collected :	08/04/2015
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	
	3146 S. Cedar St., Lansing, MI	Date Analyzeu .	00/07/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357472 1A 1 Layer-1 Analyst: S	Plaster Shea Burgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357472 1A 1 Layer-2 Analyst: S	Skim Coat	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357473 1B 2 Layer-1 Analyst: S	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357473 1B 2 Layer-2 Analyst: S	Skim Coat	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357474 1C 4 Layer-1 Analyst: S	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357474 1C 4 Layer-2 Analyst: S	Skim Coat	White Non-Fibrous Homogenous		100% Other	None Detected
357475 1D 5 Layer-1 Analyst: S	Plaster hea Burgeson	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357475 1D 5 Layer-2 Analyst: S	Skim Coat hea Burgeson	White Non-Fibrous Homogenous		100% Other	None Detected

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M-42/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173533
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-28-452-151
	38900 Huron River Drive	Date Collected :	08/04/2015
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	3146 S. Cedar St., Lansing, MI	Date Analyzeu .	00/07/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357476 1E 6 Layer-1 Analyst: S	Plaster Shea Burgeson	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
357476 1E 6 Layer-2 Analyst: \$	Skim Coat Shea Burgeson	White Non-Fibrous Homogenous		100% Other	None Detected
357477 2A 1 Analyst: Shea Bu	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
357478 2B 5 Analyst: Shea Bu	Drywall	White Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
357479 3A 11 Layer-1 Analyst: 5	12x12 Stuck On Floor Tile Shea Burgeson	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357479 3A 11 Layer-2 Analyst: 5	Mastic Shea Burgeson	Gold Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357480 3B 11 Layer-1 Analyst: \$	12x12 Stuck On Floor Tile Shea Burgeson	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357480 3B 11 Layer-2 Analyst: \$	Mastic Shea Burgeson	Gold Non-Fibrous Homogenous		100% Other	None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173533
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-28-452-151
	38900 Huron River Drive	Date Collected :	
	Romulus,MI 48174	Date Received :	08/07/2015
Location :	Vacant Residence	Date Analyzed :	
	3146 S. Cedar St., Lansing, MI	Date Analyzeu .	00/01/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357481 4A 5 Analyst: Shea Burgesor	Linoleum and Paper Backing	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357482 4B 7 Analyst: Shea Burgesoi	Linoleum and Paper Backing	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
357483 5A 3 Analyst: Shea Burgesor	Linoleum and Paper Backing	White/Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
357484 5B 3 Analyst: Shea Burgesor	Linoleum and Paper Backing	White/Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
357485 7A Exterior Analyst: Shea Burgesor	Roof Shingle	Grey Non-Fibrous Homogenous	1% Cellulose 5% Fiberglass	94% Other	None Detected
357486 7B Exterior Analyst: Shea Burgesor	Roof Shingle	Grey Non-Fibrous Homogenous	1% Cellulose 4% Fiberglass	95% Other	None Detected
357487 8A Exterior Analyst: Shea Burgesor	Cardboard	Brown Fibrous Homogenous	70% Cellulose	30% Other	None Detected

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R+93-116 & EPA 600/M+82/020 or NYSDOH-ELAP litem 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173533	
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-28-4	52-151
	38900 Huron River Drive	Date Collected : 08/04/2015	
	Romulus,MI 48174	Date Received : 08/07/2015	
Location :	Vacant Residence	Date Analyzed : 08/07/2015	
	3146 S. Cedar St., Lansing, MI	Date Analyzed : 00/07/2010	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
357488 8B Exterior Analyst: Shea Burgesor	Cardboard	Brown Fibrous Homogenous	80% Cellulose	20% Other	None Detected
357489 9A Exterior Analyst: Shea Burgesor	Asphalt Siding	Grey Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
357490 9B Exterior Analyst: Shea Burgesor	Asphalt Siding	Grey Non-Fibrous Homogenous	7% Cellulose	93% Other	None Detected
357491 10A Exterior Analyst: Shea Burgesor	House Wrap	Brown Fibrous Homogenous	80% Cellulose	20% Other	None Detected
357492 10B Exterior Analyst: Shea Burgesor	House Wrap	Brown Fibrous Homogenous	90% Cellulose	10% Other	None Detected

Jengafo

Lab Supervisor/Other Signatory

Shea Burgeron

Analyst: Shea Burgeson

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M-82/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.



38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261 www.2etf.com

Bulk Asbestos Chain of Custody

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					ETL Project # / 2 4/	-22
Client:	ETC	Contact: Tame	ny Wall		Project Location/name:	د ر
Address:	- <u></u>	Phone:	<u>17 IIGH</u>		4	
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D1		E-mail: result	s@2etc.com		 	
Please Provide	Results: X Email	oFax oVenbalo	Other		Cilent Project #: Oate Sampled; &/4/	
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Asbestos Material Sampling Summary Sheet Surfacing materials

Revision date 2/23/2015

Υ.

	Surfacing materials						
Job #:	173533	Building	: 51	14. Caller	Date: X-L		5 L.S
Material no.	Material Description	Frisbis (F) / Nos-Frisbis (NF)	Sample Lotter	Gample Locetton Need only by room	Materiai Located Aucustoal blay (Please List all Rooms)	Quantity	Picture #
)	Material: <u>Plaster</u> Greyi Drywall bocking	F		$ \begin{array}{r} $		480 <i>0</i> 74	144044
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Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #:	1.7.3.5.3.3.	Building:	inite an	k initia ter initia para para para ter per per per per per per per per per p	loste: <i>E</i> . 4	-11	*** **********************************
Matunal no.	Watenal Description	Friabio (F) I Non-Fridbin (NF)	Sample Latter	Sample Location flead with the reasy	Meterials, ocalec Anoughout hidg (Placso List SII Rosons)	Cuentify	Picture 4
2	Meterial Dycall Description White	F	A B	/ <u>357477</u> 5 357478	11st Floor + Rn11	5/0874	144644
3	Materiali Floor Tile Stuck.on Béscription 12×12 Grey	WF	Å	357479	Rm11	1004	144128
4	Material: 10)/11/10/2007 backing	NE	A	<u>5 357481</u> 7 357482	Rm517	250°E4	144(47
5	Watertall [colicy on + Papa backing Description While Oray con	WF	<u>A</u>	<u>3</u> 3 357483 357484	Rm3	1003/1	144 206
Ę	Nateriali (Prm. Culii)	F		Assumed	ist Floor (e,''')	4003-67	144 214
7	Material: Poot Str. 17, 12 Description Grey	WF	AB	E-ptrop 357485	Qoofof House Garage	140094	134505
8	Material: Card board	F	i A.	Mario 35748:	Housen Garage 2ncl	38084	144237
9	Material: Asphall Siding	NE	A	<u>EVACAGE 357489</u> 1 11 357489	Housel-	37008	144237
10	Materialis House wrop Description Brown	F.	A- B-	exercis 357491 1((1 357492		38034	14423
1	Nulmis: Discription			المعروب			

Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-31-202-101
House No:	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015
Inspected By:	Andre Richardson
Inspectors State Card #	A-45125

Building Information

No. Stories	1 + Attic	Garage	Detached
Square Footage	2,000 SF	Garage Square Footage	1,000 SF
Basement Square Footage	No Basement	Garage Siding	Vinyl
Siding	Vinyl	Garage Color	Yellow
Color	Yellow	Garage Shingles	Asphalt
Roof Shingles	Asphalt	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas	None		





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-31-202-101
House No.	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Mercury Thermostat	1	Living Room 1
Television	2	Living Room 1
5 oz. Paint Cans and Lacquer Oil	6	Bared Garage 9
15 oz. Paint Thinner	7	Garage 9

Parcel:

5.

House No.

Date Inspected:

33-01-01-31-202-101

2919 W. Holmes Rd., Lansing, MI 48911

7/30/2015

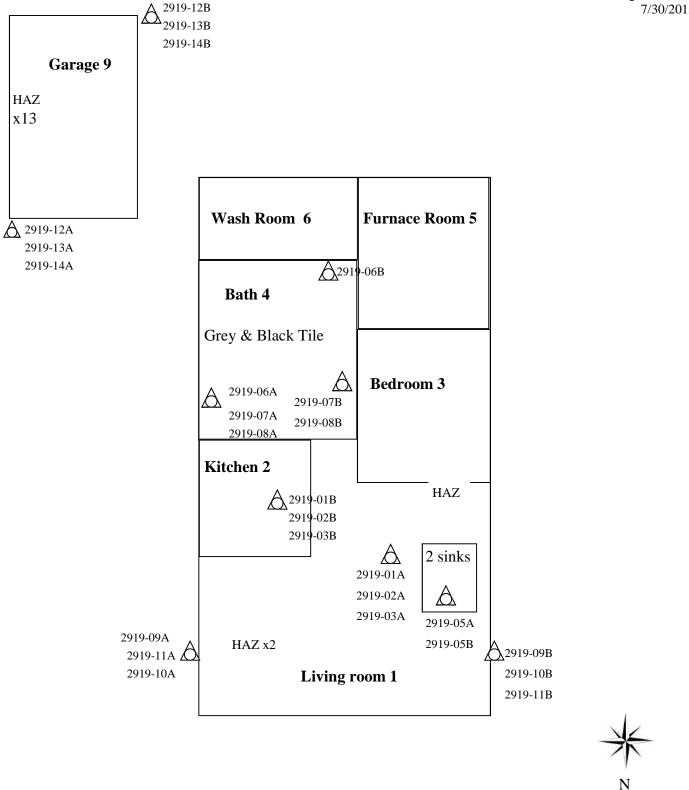
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Drywall, White	Rooms 1-6	5000 SF	No
2	F	Mud, White	Rooms 1-6	5000 SF	No
3	F	Tape, White	Rooms 1-6	5000 SF	No
4	F	Blown in Insulation, Brown	Attic 7	600 SF	No
5	F	Sink Undercoating, White	Room 1	20 SF	No
6	F	Ceiling Tiles, 12x24 White, Drop Ceiling	Room 4	500 SF	No
7	NF	Floor Tile, 12x12 Grey and Black Checkered	Room 4	500 SF	Yes
8	NF	Mastic, Glue, Black, Under Material 7	Room 4	500 SF	No
9	NF	Roof Shingles, Green and White	Home Roof 8	2000 SF	No
10	NF	Roof Shingles, black under mat 9	Home Roof 8	2000 SF	No
11	F	Roof Felt paper, black, under 10	Home Roof 8	2000 SF	No
12	NF	Roof Shingles, Green 8/ White	10 Garage Roof	1000 SF	No
13	NF	Roof Shingles, Black, Under 12	10 Garage Roof	1000 SF	No
14	F	Roof Felt, Paper Black, Under 13	10 Garage Roof	1000 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



HAZ Hazardous materials

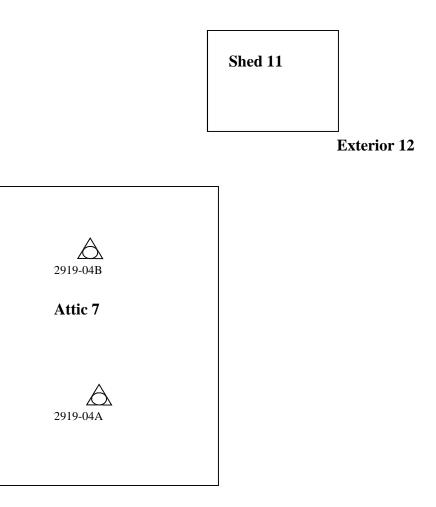
Sample Location

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.



Ingham County Land Bank 173534

33-01-01-31-202-101 2919 W. Holmes Rd., Lansing, MI 48911 7/30/2015

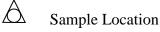




Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

Ingham County Land Bank 173534

HAZ Hazardous materials



Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-31-202-101
House No.	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015





Front of house/property

Side #1 of house/property





Back of house/property

Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-31-202-101
House No.	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-31-202-101
House No.	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015





Mercury Thermostat– Living Room 1

2 TV's-Living Room 1



5 oz. Paint Cans and Lacquer Oil- Based Garage 9



15 oz. Paint Thinner- Garage 9

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-31-202-101
House No.	2919 W. Holmes Rd., Lansing, MI 48911
Date Inspected:	7/30/2015



Floor Tile, 12x12 Grey and Black Checkered, Room 4 Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To: Environmental Testing And Consulting Inc. 38900 Huron River Drive Romulus, MI 48174

Attention : Roxanne Case

Client Project : 33-01-01-31-202-101

Project Location : Vacant Residence 2919 W. Holmes Rd., Lansing, MI

ETC Job: 173534

Report Date : 8/3/2015

Login #	Sample ID	Work Requested	Completed
356212	1A	Asbestos Analysis	08/03/2015
356213	1B	Asbestos Analysis	08/03/2015
356214	2A	Asbestos Analysis	08/03/2015
356215	2B	Asbestos Analysis	08/03/2015
356216	3A	Asbestos Analysis	08/03/2015
356217	3B	Asbestos Analysis	08/03/2015
356218	4A	Asbestos Analysis	08/03/2015
356219	4B	Asbestos Analysis	08/03/2015
356220	5A	Asbestos Analysis	08/03/2015
356221	5B	Asbestos Analysis	08/03/2015
356222	6A	Asbestos Analysis	08/03/2015
356223	6B	Asbestos Analysis	08/03/2015
356224	7A	Asbestos Analysis	08/03/2015
356225	7B	Asbestos Analysis	08/03/2015
356226	8A	Asbestos Analysis	08/03/2015
356227	8B	Asbestos Analysis	08/03/2015
356228	9A	Asbestos Analysis	08/03/2015
356229	9B	Asbestos Analysis	08/03/2015
356230	10A	Asbestos Analysis	08/03/2015
356231	10B	Asbestos Analysis	08/03/2015

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Page 1 of 7

ETC Job: 173534

Report Date : 8/3/2015

Login #	Sample ID	Work Requested	Completed
356232	11A	Asbestos Analysis	08/03/2015
356233	11B	Asbestos Analysis	08/03/2015
356234	12A	Asbestos Analysis	08/03/2015
356235	12B	Asbestos Analysis	08/03/2015
356236	13A	Asbestos Analysis	08/03/2015
356237	13B	Asbestos Analysis	08/03/2015
356238	14A	Asbestos Analysis	08/03/2015
356239	14B	Asbestos Analysis	08/03/2015

Reviewed by:

Jamy wall

Quality Assurance Coordinator



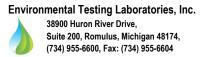


Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173534
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-202-101
	38900 Huron River Drive	Date Collected :	07/30/2015
Location :	Romulus,MI 48174	Date Received :	07/31/2015
	Vacant Residence	Date Analyzed :	
	2919 W. Holmes Rd., Lansing, MI	Date Analyzeu .	00/00/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356212 1A 1 Analyst: Kaylin Carey	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356213 1B 2 Analyst: Kaylin Carey	Drywall	White Non-Fibrous Homogenous		100% Other	None Detected
356214 2A 1 Analyst: Kaylin Carey	Mud	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356215 2B 2 Analyst: Kaylin Carey	Mud	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356216 3A 1 Analyst: Kaylin Carey	Таре	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356217 3B 2 Analyst: Kaylin Carey	Таре	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356218 4A 7 Analyst: Kaylin Carey	Blown-In Insulation	Brown Fibrous Homogenous	60% Cellulose	40% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173534
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-202-101
	38900 Huron River Drive	Date Collected :	07/30/2015
Location :	Romulus,MI 48174	Date Received :	07/31/2015
	Vacant Residence	Date Analyzed :	
	2919 W. Holmes Rd., Lansing, MI	Bato Analyzou :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356219 4B 7 Analyst: Kaylin Carey	Blown-In Insulation	Brown Fibrous Homogenous	50% Cellulose	50% Other	None Detected
356220 5A 1 Analyst: Kaylin Carey	Sink Undercoating	White Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
356221 5B 1 Analyst: Kaylin Carey	Sink Undercoating	White Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
356222 6A 4 Analyst: Kaylin Carey	12x24 Drop Ceiling Tile	Brown Non-Fibrous Homogenous	50% Cellulose	50% Other	None Detected
356223 6B 4 Analyst: Kaylin Carey	12x24 Drop Ceiling Tile	Brown Non-Fibrous Homogenous	50% Cellulose	50% Other	None Detected
356224 7A 4 Analyst: Kaylin Carey	12x12 Floor Tile	Grey/Black Non-Fibrous Homogenous		97% Other	3% Chrysotile
356225 7B 4		Not Analyzed			

Analyst: Kaylin Carey





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173534
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-202-101
	38900 Huron River Drive	Date Collected :	07/30/2015
	Romulus,MI 48174	Date Received :	07/31/2015
Location :	Vacant Residence	Date Analyzed :	
	2919 W. Holmes Rd., Lansing, MI	Bato Analyzou :	00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356226 8A 4 Analyst: Kaylin Carey	Mastic (under may 07)	Black Non-Fibrous Homogenous		100% Other	None Detected
356227 8B 4 Analyst: Kaylin Carey	Mastic (under may 07)	Black Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356228 9A 8 Home Roof Analyst: Kaylin Carey	Roof Shingle	Green/White Non-Fibrous Homogenous	2% Fiberglass	98% Other	None Detected
356229 9B 8 Home Roof Analyst: Kaylin Carey	Roof Shingle	Green/White Non-Fibrous Homogenous	2% Fiberglass	98% Other	None Detected
356230 10A 8 Home Roof Analyst: Kaylin Carey	Roof Shingle (under mat 09)	Black Non-Fibrous Homogenous	1% Cellulose 2% Fiberglass	97% Other	None Detected
356231 10B 8 Home Roof Analyst: Kaylin Carey	Roof Shingle (under mat 09)	Black Non-Fibrous Homogenous	1% Cellulose 2% Fiberglass	97% Other	None Detected
356232 11A 8 Home Roof Analyst: Kaylin Carey	Roof Felt Paper (under mat 10)	Black Fibrous Homogenous	1% Fiberglass	99% Other	None Detected



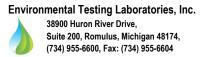


Polarized Light Microscopy Asbestos Analysis Report

_		ETC Job :	173534
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-202-101
	38900 Huron River Drive	Date Collected :	07/30/2015
	Romulus,MI 48174	Date Received :	07/31/2015
Location :	Vacant Residence	Date Analyzed :	08/03/2015
	2919 W. Holmes Rd., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356233 11B 8 Home Roof Analyst: Kaylin Carey	Roof Felt Paper (under mat 10)	Black Fibrous Homogenous	8% Cellulose 1% Fiberglass	91% Other	None Detected
356234 12A 10 Garage Roof Analyst: Kaylin Carey	Roof Shingle	Green/White Non-Fibrous Homogenous	8% Cellulose 1% Fiberglass	91% Other	None Detected
356235 12B 10 Garage Roof Analyst: Kaylin Carey	Roof Shingle	Green/White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356236 13A 10 Garage Roof Analyst: Kaylin Carey	Roof Shingle (under mat 12)	Black Non-Fibrous Homogenous	1% Cellulose 1% Fiberglass	98% Other	None Detected
356237 13B 10 Garage Roof Analyst: Kaylin Carey	Roof Shingle (under mat 12)	Black Non-Fibrous Homogenous	1% Fiberglass	99% Other	None Detected
356238 14A 10 Garage Roof Analyst: Kaylin Carey	Roof Felt Paper (under mat 13)	Black Fibrous Homogenous	60% Cellulose	40% Other	None Detected
356239 14B 10 Garage Roof Analyst: Kaylin Carey	Roof Felt Paper (under mat 13)	Black Fibrous Homogenous	60% Cellulose	40% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173534
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-202-101
	38900 Huron River Drive	Date Collected :	07/30/2015
	Romulus,MI 48174	Date Received :	07/31/2015
Location :	Vacant Residence	Date Analyzed :	
	2919 W. Holmes Rd., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
l	visor/Other Signatory			K	ayke Cary
				٨٣٩	Wate Kaylin Caray

Analyst: Kaylin Carey

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

ENVIRONMENTAL TEST 38900 Huro Romulus, Mit (734) 955-660 FAx: (734) 99 <u>www.2etl.com</u>	ING LABORATORIES, INC n River Drive Chigan 48174 90 2-2261	Bulk Asbestos Chain of Custody
Client:		ETL Project #:
· ETC.	Contact: Tammy We.11	Project Location/name:
Address:	Phona:	2919 W. Holmes Rd
	Fax:	2111 W. HEGIMES Kd
Please Provide Results:)(Em		Client Projact #: 1772534
		Date Sampied;
Turnaround Time (TAT); 🗆 RUSH 🗆 Same Day 🖾 24 hr	Bin Clandard (3+ da)s) [] Other
ł	PLM Instructions	to () (Clandard (3+ da)) Cl Other
K PLM EPA600/R-93/116, 1993		
Point Counting: 400 Points*	(otanuaru menod)	Stop at 1st Positive -
D PLM Non-Building Material (C	Nust Wine Tanal	Clearly mark Homogenous Group
* Additional charge and turnaround m	ay be required	D Soli or Vermiculite Analysis *
OI A.R.	Sample Decatoring	Differtal Description
14 A-B		
	1 1	
Relinquished (Neme/Organization):	i lati adulti ada	Date Time
Received (Name/E7L):	- A wegen Cot	D 731-15 2:45 and and
Stereoscopical Analysis (Name/ETL):	ulir Cent	
Semple Login (Neme/ETL);		
Analysis (Name/ETL):	Ulis Care	am/wa
QA/QC Review (Name/ETL):		7 31/15 4:49 amon
Shecking of Choice States and the States of States		
		Remarks
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Form ETL206: Chain of Custody, Revision A

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Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/201

Job #:	173534	Building	291	9 W. Holm	es RD Louising Art	Date: 5)-3	0-17	
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter		ampla Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
	Material: Drywall Description White	F	A B	1	356212 356213	1-6	5,000 ST P2	1762
2	Materiel: <u>Mud</u> Description white	f	A B		356214 356215			
3	Material: Tapp Description	£	A		356216 356217		∇	J
4	Material: Brownin Insulation Description Brown		_A 13	<u> </u>	356218	7 Adar	600 59 FZ	1765
5	Material: Sink under on Alms Description white	f	A B		356220 356221	(20 Jahr	1768
6	Material: Centra In 12x24 Description white proplements	f	A	4	356222	4	500	1764
$\overline{}$	Material: Floor + 11 12×12 Description Gree & Black Checkman	NF	A	4	<u>356224</u> 356225	Ч	500	1763
8	Description Under D	NF	B	· · · · · · · · · · · · · · · · · · ·	356226	Ļ	Ļ	V
9		NJ	A K	8 Aone	356229	8 Horro Root	3944	1759
10-	Material: NovfBhillos Blc.1 Description 6 Nov mezg	NF	An I		356230 356231		V	V

Asbestos Material Sampling Summary Sheet Miscellaneous materials

3073

Job #:	173534	Building	2970	Wiltelnes RD Laubing ME	Date: D 7		
Meteriei no.	Material Description	Friable (F) / Non-Friabia (NF)	Sempia Letter	Sample Location	Date: <u>D-7</u> Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
()	Material: Rooffelt Paler Block Description MARCIP	F	A	8 Home Roof 356232	7 reson	2,000	1759
12	Material: Roof Chindres Green & Description whyle	NF	0	10 Grance Roof 3562	84 6m-8	(100,0	1
13	Material: Noof Strates Block Dascription Widow 12	N	A B	<u> </u>		54 fg	- + -
14	Material: 12 00 f Gell Paled Black Description under 13	£	A B	<u> </u>			÷
	Material: Description						
	Materiai: Description						
	Materiai:						
	Materiai:	 - -					
	Material:						
D	Material:		_			· -	

Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in **Attachment: Laboratory Analytical Results.**

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

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Prepared by:

Andre Richardson, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-45125

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-31-402-068
House No:	4318 Ingham St., Lansing, MI 48911
Date Inspected:	8/2/2015
Inspected By:	Forrest Budd
Inspectors State Card #	A-37627

Building Information

No. Stories	1 + Attic	Garage	Detached
Square Footage	900 SF	Garage Square Footage	300 SF
Basement Square Footage	500 SF	Garage Siding	Wood
Siding	Aluminum & Wood	Garage Color	White
Color	White	Garage Shingles	Asphalt Shingle
Roof Shingles	Asphalt Shingle	Electric (Gone)	Disconnected
Asbestos present	Yes	Gas (Gone)	Disconnected
Inaccessible areas	All Vinyl Windows		





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-31-402-068			
House No.	4318 Ingham St., Lansing, MI 48911			
Date Inspected:	8/2/2015			
TABLE 1				

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Ballast	1	Room 8
Halogen Bulb 4<	2	Room 8

TIRE(s) REPORT

Quantity & Units

Location

None observed above household quantities

Material

Parcel:

House No.

Date Inspected:

33-01-01-31-402-068

4318 Ingham St., Lansing, MI 48911

8/2/2015

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

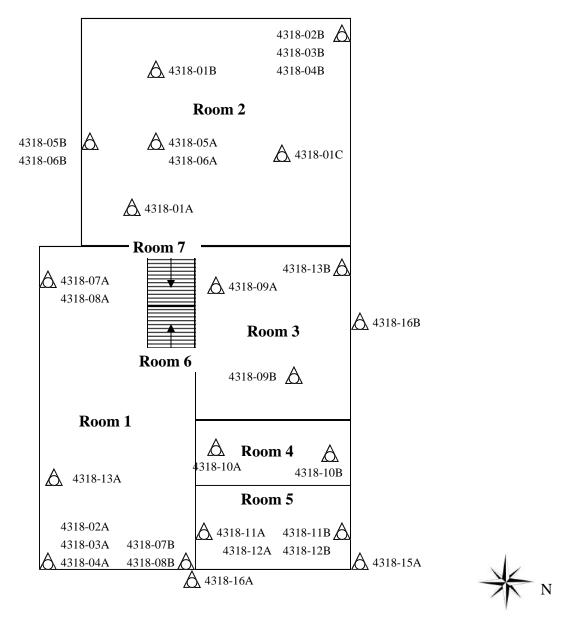
Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Textured Ceiling, White	Room 2	300 SF	No
2	F	Drywall, White	1st Floor	3600 SF	No
3	F	Mud, White	1st Floor	3600 SF	No
4	F	Tape, White	1st Floor	3600 SF	No
5	NF	Linoleum and Paper Backing, Grey	Room 2, 1st	60 SF	No
6	NF	Vapor Barrier, Black	Room 2, 2nd	60 SF	No
7	NF	Floor Tile, Stuck On, 12x12 Wood	Room 1, 1st	300 SF	No
8	NF	Linoleum and Paper Backing, White	Room 1, 2nd	300 SF	No
9	NF	Floor Tile, Stuck On, 12x12 Grey	Room 3	150 SF	No
10	NF	Linoleum and Paper Backing, White	Room 4	100 SF	No
11	NF	Floor Tile, Stuck On, 12x12 Grey	Room 5, 1st	150 SF	No
12	NF	Floor Tile, Stuck On, 12x12 White	Room 5, 2nd	150 SF	No
13	F	Blown-In, Grey	1st Floor Exterior and Walls	2700 SF	No
14	F	Vermiculite, Grey	1st Floor Ceiling	400 CF	Assumed
15	NF	Roof Shingles, Grey	Roof of House and Garage	1600 SF	No
16	F	Tar Paper, Black	Under Wood Siding	2800 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing





HAZ Hazardous materials

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

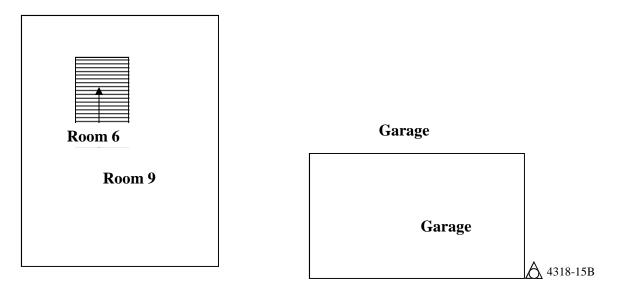


Sample Location

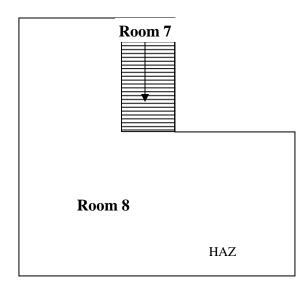
Tires

Ingham County Land Bank 173535

Attic



Basement





Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173535

HAZ Hazardous materials



Sample Location

Tires

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-31-402-068
House No.	4318 Ingham St., Lansing, MI 48911
Date Inspected:	8/2/2015





Front of house/property

Side #1 of house/property



Back of house/property



Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-31-402-068
House No.	4318 Ingham St., Lansing, MI 48911
Date Inspected:	8/2/2015



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-31-402-068
House No.	4318 Ingham St., Lansing, MI 48911
Date Inspected:	8/2/2015



Ballast, Room 8



Halogen Bulb 4<, Room 8

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-31-402-068
House No.	4318 Ingham St., Lansing, MI 48911
Date Inspected:	8/2/2015



Vermiculite, 1st Floor Ceiling Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To :	Environmental Testing And Consulting Inc.
	38900 Huron River Drive
	Romulus. MI 48174

Project Location : Vacant Residence 4318 Ingham St., Lansing, MI

Attention : Roxanne Case

Client Project : 33-01-01-31-402-068

ETC Job : 173535

Report Date : 8/6/2015

Login #	Sample ID	Work Requested	Completed
356726	1A	Asbestos Analysis	08/06/2015
356727	1B	Asbestos Analysis	08/06/2015
356728	1C	Asbestos Analysis	08/06/2015
356729	2A	Asbestos Analysis	08/06/2015
356730	2B	Asbestos Analysis	08/06/2015
356731	3A	Asbestos Analysis	08/06/2015
356732	3B	Asbestos Analysis	08/06/2015
356733	4A	Asbestos Analysis	08/06/2015
356734	4B	Asbestos Analysis	08/06/2015
356735	5A	Asbestos Analysis	08/06/2015
356736	5B	Asbestos Analysis	08/06/2015
356737	6A	Asbestos Analysis	08/06/2015
356738	6B	Asbestos Analysis	08/06/2015
356739	7A	Asbestos Analysis	08/06/2015
356740	7B	Asbestos Analysis	08/06/2015
356741	8A	Asbestos Analysis	08/06/2015
356742	8B	Asbestos Analysis	08/06/2015
356743	9A	Asbestos Analysis	08/06/2015
356744	9B	Asbestos Analysis	08/06/2015
356745	10A	Asbestos Analysis	08/06/2015

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.

Page 1 of 7

ETC Job: 173535

Report Date : 8/6/2015

Login #	Sample ID	Work Requested	Completed
356746	10B	Asbestos Analysis	08/06/2015
356747	11A	Asbestos Analysis	08/06/2015
356748	11B	Asbestos Analysis	08/06/2015
356749	12A	Asbestos Analysis	08/06/2015
356750	12B	Asbestos Analysis	08/06/2015
356751	13A	Asbestos Analysis	08/06/2015
356752	13B	Asbestos Analysis	08/06/2015
356753	15A	Asbestos Analysis	08/06/2015
356754	15B	Asbestos Analysis	08/06/2015
356755	16A	Asbestos Analysis	08/06/2015
356756	16B	Asbestos Analysis	08/06/2015

Reviewed by:

Samzwall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173535
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-31-402-068
	38900 Huron River Drive	Date Collected: 08/02/2015
	Romulus,MI 48174	Date Received : 08/03/2015
	Vacant Residence	Date Analyzed : 08/06/2015
	4318 Ingham St., Lansing, MI	Date Analyzeu : 00/00/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356726 1A Rm 2 Analyst: Shea Burgeso	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356727 1B Rm 2 Analyst: Shea Burgesc	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356728 1C Rm 2 Analyst: Shea Burgesc	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
356729 2A Rm 1 Analyst: Shea Burgesc	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
356730 2B Rm 2 Analyst: Shea Burgesc	Drywall	White Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
356731 3A Rm 1 Analyst: Shea Burgesc	Drywall Mud	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356732 3B Rm 2 Analyst: Shea Burgesc	Drywall Mud	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173535
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-402-068
	38900 Huron River Drive	Date Collected :	
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	4318 Ingham St., Lansing, MI	Date Analyzeu .	00/00/2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356733 4A Rm 1 Analyst: Shea Bu	Drywall Tape rgeson	White Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356734 4B Rm 2 Analyst: Shea Bu	Drywall Tape rgeson	White Fibrous Homogenous	85% Cellulose	15% Other	None Detected
356735 5A Rm 2 Layer-1 Analyst: 5	Linoleum and Paper Backing Sarah Poirier	Grey Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356735 5A Rm 2 Layer-2 Analyst: 5	Mastic Sarah Poirier	Brown Non-Fibrous Homogenous		100% Other	None Detected
356736 5B Rm 2 Layer-1 Analyst: 5	Linoleum and Paper Backing Sarah Poirier	Grey Fibrous Homogenous	40% Cellulose	60% Other	None Detected
356736 5B Rm 2 Layer-2 Analyst: 5	Mastic Sarah Poirier	Brown Non-Fibrous Homogenous		100% Other	None Detected
356737 6A Rm 2 Analyst: Sarah Pc	Vapor Barrier birier	Black Fibrous Homogenous	25% Cellulose	75% Other	None Detected
356738 6B Rm 2 Analyst: Sarah Pc	Vapor Barrier	Black Fibrous Homogenous	30% Cellulose	70% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 173535	
То :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-31-402-06	68
	38900 Huron River Drive	Date Collected : 08/02/2015	
Location :	Romulus,MI 48174	Date Received : 08/03/2015	
	Vacant Residence	Date Analyzed : 08/06/2015	
	1318 Ingham St., Lansing, MI	Date Analyzed . 00/00/2010	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356739 7A Rm 1 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Wood Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356740 7B Rm 1 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Wood Non-Fibrous Homogenous		100% Other	None Detected
356741 8A Rm 1 Analyst: Sarah Poirier	Linoleum and Paper Backing	White Fibrous Homogenous	40% Cellulose 3% Fiberglass	57% Other	None Detected
356742 8B Rm 1 Analyst: Sarah Poirier	Linoleum and Paper Backing	White Fibrous Homogenous	40% Cellulose 3% Fiberglass	57% Other	None Detected
356743 9A Rm 3 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356744 9B Rm 3 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356745 10A Rm 4 Analyst: Sarah Poirier	Linoleum and Paper Backing	White Fibrous Homogenous	30% Cellulose 2% Fiberglass	68% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

	ETC Job : 173535
To: Environmental Testing And Consulting Inc.	Client Project : 33-01-01-31-402-068
38900 Huron River Drive	Date Collected : 08/02/2015
Romulus,MI 48174	Date Received : 08/03/2015
Location: Vacant Residence	Date Analyzed : 08/06/2015
4318 Ingham St., Lansing, MI	Date Analyzeu . 00/00/2013

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356746 10B Rm 4 Analyst: Sarah Poirier	Linoleum and Paper Backing	White Fibrous Homogenous	30% Cellulose 2% Fiberglass	68% Other	None Detected
356747 11A Rm 5 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356748 11B Rm 5 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	Grey Non-Fibrous Homogenous		100% Other	None Detected
356749 12A Rm 5 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	White Fibrous Homogenous	50% Cellulose	50% Other	None Detected
12A and 12 B are act	ually linoleum				
356750 12B Rm 5 Analyst: Sarah Poirier	12x12 Stuck On Floor Tile	White Fibrous Homogenous	50% Cellulose	50% Other	None Detected
356751 13A Rm 1 Analyst: Sarah Poirier	Blown In Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected
356752 13B Rm 3 Analyst: Sarah Poirier	Blown In Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173535
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-402-068
	38900 Huron River Drive	Date Collected :	
	Romulus,MI 48174	Date Received :	
Location :	Vacant Residence	Date Analyzed :	
	4318 Ingham St., Lansing, MI	Date Analyzeu .	08/00/2015

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356753 15A Ext Analyst: Sarah Poirier	Roof Shingle	Grey Fibrous Homogenous	25% Cellulose	75% Other	None Detected
356754 15B Ext Analyst: Sarah Poirier	Roof Shingle	Grey Fibrous Homogenous	25% Cellulose	75% Other	None Detected
356755 16A Ext Analyst: Sarah Poirier	Tar Paper	Black Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
356756 16B Ext Analyst: Sarah Poirier	Tar Paper	Black Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected

Lab Supervisor/Other Signatory

Larah M. Priver

Analyst: Sarah Poirier

burgeon

Analyst: Shea Burgeson

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

38900 Huron River Drive RDMULUS, MICHIGAN 48174 (734) 955-6600 Fax: (734) 992-2261 Www.2ell.com

Bulk Asbestos Chain of Custody

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Cliant: ETC Contact: Tammy Wall Address: Fax: Phone: Address: Fax: E-mail: results@2etc.com Please Provide Results: X Email D Fax D Verbal D Other Turnaround Time (TAT): D RUSH D Same Day D 24 hr D 48 hr PLM Instructions (Chack all that apply) X PLM EPA600/R-93/116, 1993 (Standard method) D Point Counting: 400 Points* D PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and tumeround may be required Lab ID Sample fD Sample Location Sample fD Sample Location Sample Location Sample Location	ETL Project #: 173535 Projact Location/nama: 4318 Ingham St. Client Project #: Date Sampted: 8/2/15 Standard (3+ days) Other Cleady mark Homogenous Group Soil or Vermiculite Analysis *
Address: Phone: Fax: E-mail: Please Provide Results: X Email p Fax Defail Defail Turnaround Time (TAT): RUSH Defail Defail PLM Instructions (Chack all that apply) Non-Building Material (Dust, Wipe, Tape) * Additional charge and lumaround may be required Lab ID Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID	Y318 Ingham St. Client Project #: Date Sampted: 8/2/15 Standard (3+ days) Standard (3+ days) Other X Stop at 1st Positive - Cleady mark Homogenous Group D Soil or Vermiculite Analysis *
Fax: E-mail: results@2etc.com Please Provide Results: X Email p Fax p Verbal p Other Turnaround Time (TAT): p RUSH p Same Day p 24 hr p 48 hr PLM Instructions (Chack all that apply) X PLM EPA600/R-93/116, 1993 (Standard method) p Cont Counting: 400 Points* P PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and tumaround may be required Lab ID Sample fD Sample Location StartEC 1A-L 2.6-7.6	Client Project #: Date Sampled: 8/2/15 Standard (3+ days) □ Other X Stop at 1st Positive - Cleenty mark Homogenous Group D Soil or Vermiculite Analysis *
Results: X Email D Fax D Verbal D Other Turnaround Time (TAT): D RUSH D Same Day D 24 hr D 48 hr PLM Instructions (Chack all that apply) X PLM EPA600/R-93/116, 1993 (Standard method) D Point Counting: 400 Points* D PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and turnaround may be required Lab ID Sample fD Sample fD Sample Location Start2C IA(2.A - B 2.A - B	Client Project #: Date Sampled: 8/2/15 Standard (3+ days) □ Other X Stop at 1st Positive - Cleenty mark Homogenous Group D Soil or Vermiculite Analysis *
Results: X Email D Fax D Verbal D Other Turnaround Time (TAT): D RUSH D Same Day D 24 hr D 48 hr PLM Instructions (Chack all that apply) X PLM EPA600/R-93/116, 1993 (Standard method) D Point Counting: 400 Points* D PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and turnaround may be required Lab ID Sample fD Sample fD Sample Location Start2C IA(2.A - B 2.A - B	Date Sampled: 8/2/15 Standard (3+ days) □ Other X Stop at 1st Positive - Clearly mark Homogenous Group Soil or Vermiculite Analysis *
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PLM Instructions (Chack all that apply) Point Counting: 400 Points* PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and tumaround may be required Lab ID Sample fD Sample fD Sample Location Start2C IA-C 2.A - B 2.A - B	X Stop at 1st Positive - Clearly mark Homogenous Group Soil or Vermiculite Analysis *
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□ PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and turnaround may be required Lab ID Sample ID Sample Location 356726 IA - C $356717 - 356756Hard 2A - B$	Cleady mark Homogenous Group
PLM Non-Building Material (Dust, Wipe, Tape) * Additional charge and turnaround may be required Lab ID Sample ID Sample ID Sample ID Location Lab ID Loca	Cleady mark Homogenous Group
Production Lab ID Sample ID Sample ID Sample Location Sample ID Sample IO Sample ID Sample Location Sample ID Sample IO Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID Sample ID	Soil or Vermiculite Analysis *
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Semple Location 356726 1A-C 356717-356756 Haru 2A-B	Material Description
356726 1A-C 356717-356756 Haru 2A-B	Material Description
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=1000 SF = 3 samples

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Asbestos Material Sampling Summary Sheet Miscellaneous materials

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icb #:	173538	Bullding:	43	318 Insham	Dete: 2-2	· 15	
Natorial no,	Witeriel Dassilption.	Frieble (F) / Non-Frijeble (NF)	Sample Lotter	Sample Localon Naus only be room	Material Locates Groughout bidy (Piceso List all Rooms)	Quantity	Picture #
Ż	Material: Crwall Description White	F	A) 356729 2 356730	VSt-Abor	360074	111.720
3	Natoriat: M.d Description I.M., 14	F	A B	1 <u>356731</u> 2 <u>3567</u> 32	1St-Floor	36 <i>334</i> 4	
4	Materiali Jupe Description White	F	AB	2 356733 356734	1st Floor	36 <i>E</i> AI	19270
S	Materiale <u>Linolium + Paperbachin</u> Description <u>(558-4</u>	NF	A B	2 3567 35 2 3567 36	RMZ 15+	(₁₀ 24)-	
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10	Material: 1110 Tilium + paper backing Description WMile	NF		4 3567 45 4 2567 46	Rm4	100Ft	147 <i>3</i> 42
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Acheotos Nieterial Sampling Summary Direct Miscellaneous materials

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Revision date 2/23/2015

ob #:	173535	Building:	434	8 FNGHOMM FOR THE STATE AND TH	10este: 8-2		**************************************
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5	Description 12x12 White	NF	14. 13	S 356749 S 356750	Rus Znd	1534-	*
3	Makolan Description	F	B	1 356731	151-1700		1423
7	Material: Vermiculite Description (500-1	- F	****	Assumed 3567 52	ISTF100		147412
5	Waterielli (20075hing/c	NF	21 23 23	LXK16C 356763	Celling Roofo Ethouse	400377	14743
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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Sovert Budd

Prepared by:

Forrest Budd, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-37627

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

	Ingham County Land Bank 3024 Turner Street Lansing, MI 48906
Parcel:	33-01-01-31-479-191
House No:	2212 W. Jolly Rd., Lansing, MI 48911
Date Inspected:	08/01/2015
Inspected By:	Andre Richardson
Inspectors State Card #	A-45125

Building Information

No. Stories	2 + Attic	Garage	No Garage
Square Footage	1,600 SF	Garage Square Footage	
Basement Square Footage	No Basement	Garage Siding	
Siding	Wood	Garage Color	
Color	Brown	Garage Shingles	
Roof Shingles	Asphalt Shingle	Electric (Gone)	Connected
Asbestos present	No	Gas (Gone)	Disconnected
Inaccessible areas			





38900 West Huron River Drive, Romulus, MI 48174 PHONE: (734) 955-6600 FAX: (734) 955-6604 WEBSITE: www.2etc.com

Pre-Demolition Environmental Inspection Summary Report

None observed above house	ehold quantities		
Material Description	Quantity & Units	Location	
	HAZARDOUS MA	TERIALS	
	TABLE 1		
Date Inspected:	08/01/2015		
House No.	2212 W. Jolly Rd., La	nsing, MI 48911	
Parcel:	33-01-01-31-479-191		

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-31-479-191

08/01/2015

2212 W. Jolly Rd., Lansing, MI 48911

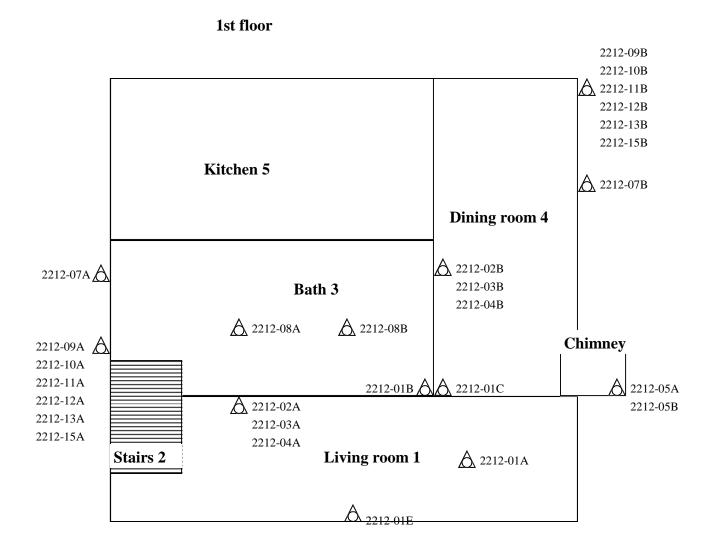
TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Texture, White	Rooms 1, 3, 4 & 7	2,500 SF	No
2	F	Drywall, White	Rooms 1-7	4,200 SF	No
3	F	Mud, White	Rooms 1-7	4,200 SF	No
4	F	Tape, White	Rooms 1-7	4,200 SF	No
5	NF	Stack Pipe Cement, Grey	Room 4	2 SF	No
6	F	Ceiling Tile, 12x12, Stapled White	Room 6	400 SF	No
7	F	Window Glaze, White	Rooms 3-7	6 Windows	No
8	NF	Floor Tile, 12x12, Peel & Stick, White	Room 3	500 SF	No
9	NF	Roof Shingles, Black	Home Roof 9	1,200 SF	No
10	NF	Roof Shingles, Brown, Under Mate- rial 9	Home Roof 9	1,200 SF	No
11	NF	Roof Shingles, White & Red, Under Material 10	Home Roof 9	1,200 SF	No
12	NF	Roof Shingles, White & Red, Under Material 11	Home Roof 9	1,200 SF	No
13	NF	Roof Shingles, Brown, Under Mate- rial 12	Home Roof 9	1,200 SF	No
15	F	Fiber Paper, Black, Under Siding	Home Exterior 9	4,200 SF	No

Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are <u>estimates only</u>. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing



N X

Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

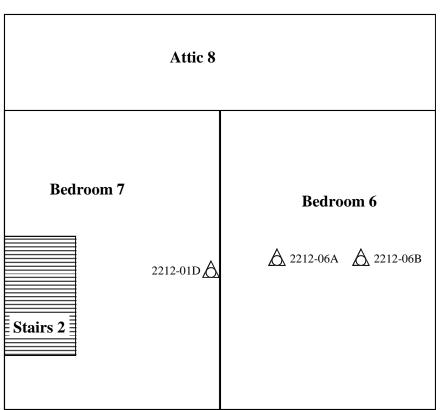
Ingham County Land Bank 173536

HAZ Hazardous materials

Sample Location

Tires

A



2nd floor



Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

> Ingham County Land Bank 173536

Hazardous materials HAZ

Sample Location

Tires

A

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-31-479-191
House No.	2212 W. Jolly Rd., Lansing, MI 48911
Date Inspected:	08/01/2015



Front of house/property



Side #1 of house/property



Back of house/property



Side #2 of house/property

Attachment:

Laboratory Analytical Results

38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



To: Environmental Testing And Consulting Inc. 38900 Huron River Drive Romulus, MI 48174

Project Location : Vacant Residence 2212 W. Jolly Rd., Lansing, MI

Attention : Roxanne Case

Client Project : 33-01-01-31-479-191

ETC Job : 173536

Report Date: 8/5/2015

356812 1A Asbestos Analysis 08/05/2015 356613 1B Asbestos Analysis 08/05/2015 356614 1C Asbestos Analysis 08/05/2015 356615 1D Asbestos Analysis 08/05/2015 356616 1E Asbestos Analysis 08/05/2015 356617 2A Asbestos Analysis 08/05/2015 356618 2B Asbestos Analysis 08/05/2015 356619 3A Asbestos Analysis 08/05/2015 356620 3B Asbestos Analysis 08/05/2015 356621 4A Asbestos Analysis 08/05/2015 356622 4B Asbestos Analysis 08/05/2015 356623 5A Asbestos Analysis 08/05/2015 356624 5B Asbestos Analysis 08/05/2015 356625 6A Asbestos Analysis 08/05/2015 356626 6B Asbestos Analysis 08/05/2015 356627 7A Asbestos Analysis 08/05/2015 356629<	Login #	Sample ID	Work Requested	Completed
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356629 8A Asbestos Analysis 08/05/2015 356630 8B Asbestos Analysis 08/05/2015	356627	7A	Asbestos Analysis	08/05/2015
356630 8B Asbestos Analysis 08/05/2015	356628	7B	Asbestos Analysis	08/05/2015
	356629	8A	Asbestos Analysis	08/05/2015
356631 9A Asbestos Analysis 08/05/2015	356630	8B	Asbestos Analysis	08/05/2015
	356631	9A	Asbestos Analysis	08/05/2015

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ETC Job: 173536

Report Date : 8/5/2015

Login #	Sample ID	Work Requested	Completed
356632	9B	Asbestos Analysis	08/05/2015
356633	10A	Asbestos Analysis	08/05/2015
356634	10B	Asbestos Analysis	08/05/2015
356635	11A	Asbestos Analysis	08/05/2015
356636	11B	Asbestos Analysis	08/05/2015
356637	12A	Asbestos Analysis	08/05/2015
356638	12B	Asbestos Analysis	08/05/2015
356639	13A	Asbestos Analysis	08/05/2015
356640	13B	Asbestos Analysis	08/05/2015
356641	15A	Asbestos Analysis	08/05/2015
356642	15B	Asbestos Analysis	08/05/2015

Reviewed by:

Jamywall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173536
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-479-191
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	2212 W. Jolly Rd., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356612 1A Rm 1 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356613 1B Rm 3 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
356614 1C Rm 4 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356615 1D Rm 7 Analyst: Shea Burge:	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356616 1E Rm 1 Analyst: Shea Burge	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356617 2A Rm 1 Analyst: Shea Burge:	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356618 2B Rm 4 Analyst: Shea Burges	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173536
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-479-191
	38900 Huron River Drive	Date Collected :	08/01/2015
Location :	Romulus,MI 48174	Date Received :	08/03/2015
	Vacant Residence	Date Analyzed :	
	2212 W. Jolly Rd., Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356619 3A Rm 1 Analyst: Shea Burgeson	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356620 3B Rm 4 Analyst: Shea Burgeson	Mud	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356621 4A Rm 1 Analyst: Shea Burgesor	Таре	White Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356622 4B Rm 4 Analyst: Shea Burgesor	Tape	White Fibrous Homogenous	80% Cellulose	20% Other	None Detected
356623 5A Rm 4 Analyst: Shea Burgeson	Stack Pipe Cement	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356624 5B Rm 4 Analyst: Shea Burgeson	Stack Pipe Cement	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
356625 6A Rm 6 Analyst: Shea Burgeson	12x12 Stapled Ceiling Tile	White Fibrous Homogenous	90% Cellulose	10% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173536
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-479-191
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	2212 W. Jolly Rd., Lansing, MI		00,00,2010

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
356626 6B Rm 6 Analyst: Shea Burgesor	12x12 Stapled Ceiling Tile	White Fibrous Homogenous	90% Cellulose	10% Other	None Detected
356627 7A Rm 3 Analyst: Shea Burgesor	Window Glazing	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356628 7B Rm 4 Analyst: Shea Burgesor	Window Glazing	White Non-Fibrous Homogenous		100% Other	None Detected
356629 8A Rm 3 Analyst: Shea Burgesor	12x12 Peel n Stick Floor Tile	White Non-Fibrous Homogenous		100% Other	None Detected
356630 8B Rm 3 Analyst: Shea Burgesor	12x12 Peel n Stick Floor Tile	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
356631 9A Home 9, Roof Analyst: Shea Burgesor	Roof Shingle	Black Non-Fibrous Homogenous	1% Cellulose 5% Fiberglass	94% Other	None Detected
356632 9B Home 9, Roof Analyst: Shea Burgesor	Roof Shingle	Black Non-Fibrous Homogenous	1% Cellulose 15% Fiberglass	84% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	173536
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-31-479-191
	38900 Huron River Drive	Date Collected :	08/01/2015
	Romulus,MI 48174	Date Received :	08/03/2015
Location :	Vacant Residence	Date Analyzed :	
	2212 W. Jolly Rd., Lansing, MI	Bato Analyzou :	

Sample E	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
356633 10A Home 9, Roof Analyst: Shea Burgeson	Roof Shingle (under mat 9)	Brown Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected	
356634 10B Home 9, Roof Analyst: Shea Burgeson	B Non me 9, Roof Hon alyst: Shea Burgeson 6635 Roof Shingle (under mat 10) Whi		25% Cellulose	75% Other	None Detected	
356635 11A Home 9, Roof Analyst: Shea Burgeson	Roof Shingle (under mat 10)	White/Red Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected	
356636 11B Home 9, Roof Analyst: Shea Burgeson	I IOIIIOQEIIOU3		30% Cellulose	70% Other	None Detected	
356637 Roof Shingle (under mat 11) 12A Home 9, Roof Analyst: Shea Burgeson		White/Red Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected	
356638 Roof Shingle (under mat 11) 12B Home 9, Roof Analyst: Shea Burgeson		White/Red Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected	
356639 13A Home 9, Roof Analyst: Shea Burgeson	639 Roof Shingle (under mat 12) Brown Non-Fibrous Homogenous		25% Cellulose	75% Other	None Detected	





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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 1/3536
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-31-479-191
Location :	38900 Huron River Drive	Date Collected : 08/01/2015
	Romulus,MI 48174	Date Received : 08/03/2015
	Vacant Residence	Date Analyzed : 08/05/2015
	2212 W. Jolly Rd., Lansing, MI	Date Analyzeu . 00/03/2013

Sample I	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos	
356640 13B Home 9, Roof Analyst: Shea Burgeson	Roof Shingle (under mat 12)	Brown Non-Fibrous Homogenous	20% Cellulose	80% Other		
356641 15A Home 9, Ext Analyst: Shea Burgeson	Fiber Paper (under siding)	Black Fibrous Homogenous	70% Cellulose	30% Other	None Detected	
356642 15B Home 9, Ext Analyst: Shea Burgeson	Fiber Paper (under siding)	Black Fibrous Homogenous	80% Cellulose	20% Other	None Detected	

Jeng 4

Lab Supervisor/Other Signatory

Shea Burgeron

Analyst: Shea Burgeson

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

(734) 955	992-2261	Bulk Asbestos Chain of Custody
Cilient: ・ ETC. Address:	Contact: Tāmmus Loziji Phone: Fax:	ETL Project #: 173536 Project Location/name: 2212 W. Jolly Ro
Please Provide Results: K		Client Project #: Date Sempled: 8/1/12
Additional opergre and tumeround * Additional opergre and tumeround	PLM Instruction (Check all that app) * (Outer Manager	Clandiand (S+ daj)a) □ Other
IA-E ZA-B I ISA-R	356612-354642	
Relinguished (Name/Organization): Received (Name/ETL): Stareoscopical Analysis (Name/ETL): Sample Login (Name/ETL): Sample Login (Name/ETL): Analysis (Name/ETL): OA/OC Review (Name/ETL):	H.	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
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Asbestos Material Sampling Summary Sheet Surfacing materials

Job #:	173536	Building		~ 1 /	·			
			<u>י 201</u>	$\frac{2}{1}$ $\frac{1}{10}$	Jolly RD Lansing MT.	Date: 8-/-	15-	
Material no,	Meterial Description	Friable (F) / Non-Friable (NF)	Sampie Letter		Sample Location	Material Located throughout bidg (Please List all Rooms)	Quentity	Picture #
\	Material: Texture	f	A B C D	7 7	356612 356613 356614 356615		2,500 Shf	1847
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Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

Job #	173536	Building	1: 7)	>//				
Materia		Friable (F) /		<u>, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,</u>	14 RD, Lensk, MT-	Date: 8 - /	<u>-15</u>	
no,	Material Description	Non-Friable (NF)	Sampia Letter		Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
12	Description	\square	A	· · · · · · · · · · · · · · · · · · ·	080013	(riease List Bil Rooms)		ļ
	hhite		ß	Ý –	356617	1-')	4,200	1848
3	Description	$\left \right $	A					
<u> </u>	Materiai:		6		356619 356620			
4	Description Takle	L	A		356621		- [/	- A
	Material: Stash Pille Comera		5		356622	V		Ŷ
5	Description Green	NF	AK	<u>4</u>			2	10.00
6	Material: Centre the 12×12				356624	· · · · · ·	596-	1848
	Description St-Redulate	<i>f</i>	75	_ <u>e</u>	<u> </u>		400	RCI
7	Material: Mindow Glazing		A	}	<u> </u>			1851
	Material: Classicher 12 K12 Redect	7	<u>8</u>	4	356628	3,4,5,6,7	inday	1849
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10	Material: Roofslacher Grom		Â		<u>356632</u> <u>356633</u>		Sa by	1054
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11 +	Description	NFF	<u>A</u>		356635		/_	
	[]] []				356636		Ψ	\mathcal{V}

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #:	173532	Building	2212	LLA Jong RD. Lansing ME	Date: P_) -	- 1/2	
Matertai no.	Materiat Description	Frizble (F) / Non-Frizble (NF)	Sample Letter	Sample Location	Material Located throughout bidg	Quantity	Picture #
12	Material: Roofshir, US Description What & Redunder 11 Material: Roofshir, Der 11	N	A B	9 Home Roof 356637.	(Please List all Rooms 9 Hoo mo Voorf	1,200	1854
13	Description	NF	A 13	<u> </u>		Ţ	
15	Material: Fiber Paper Black Description Material: Description	£	A B	9 Home & Xot 356641 356642	9 Horry EXL	4,200	1853
	Material: Description Material:						
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D	Material:						

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Attachment:

Inspection Procedures

Pre-Demolition Environmental Inspection Procedures

HAZARDOUS MATERIALS INSPECTION

A table showing hazardous materials, above the household quantity limitations, found at the house is included as **Table 1: Hazardous Materials**. This table lists non-asbestos materials that may be hazardous and require special handling and disposal requirements. Items that might be in this category include: mercury switches, fluorescent lighting tubes and ballasts, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

Under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is a residential household quantity exclusion. Materials are listed in Table I if they are present in quantities larger than what would typically be expected to be used and disposed in a normal household, and/or may require special handling and disposal requirements, such as: paints, solvents, adhesives, oils, tires, large circuit boards (such as televisions, computers, and security systems), prescription drugs, and syringes. On the other hand, if there were only household sized containers of maintenance, cleaning, non-prescription health and personal hygiene products, radios, and controllers present, as would be found in most homes, these materials would not be listed.

Fluorescent lighting systems have ballasts that have the potential to contain polychlorinated biphenyls (PCBs). Although PCBs are no longer commercially produced in the United States, they may be present in U.S. products that were produced prior to 1979, and may still be commercially available from other countries. Fluorescent bulbs, thermostats, and thermometers may contain mercury and can be treated as Universal Waste, which are streamlined standards for managing common types of hazardous waste.

If obtained, photographs of hazardous materials for the above referenced property are included in **Attachment: Site Photographs.**

ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos included drywall, plaster, stucco, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation.

Sample Collection

Representative bulk samples of suspect asbestos containing building materials were randomly collected within each building area. The materials sampled were broken down into distinct homogenous (similar) materials. Homogenous material determination was based on the following criteria:

- Similar physical characteristics (same color and texture, etc.)
- Application (sprayed-on, troweled-on, assembly into a system etc.)
- Material function (Thermal insulation, floor tile, wallboard system etc.)

Pre-Demolition Environmental Inspection Procedures

At least two samples of each suspected asbestos containing material identified during the inspection was collected. For surfacing materials (sprayed and/or troweled on) a minimum of three samples were collected for areas that contained less than 1000 square feet of the material; 5 samples were collected for materials 1000 to 5000 square feet, and 7 samples were taken for areas greater than 5000 square feet. A Michigan Accredited Asbestos Inspector collected representative samples of each suspected ACM. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in **Table 2.** A copy of a floor plan showing sample locations is included in **Attachment: Site Drawing.**

Laboratory Analysis / Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to either IATL (International Asbestos Testing Laboratories), 9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054, ETL (Environmental Testing Laboratories), 38900 W. Huron River Drive, Suite 200, Romulus, MI 48174, and/or ACM Engineering & Environmental Services, 26598 US Highway 20 West, South Bend, IN 46628. Laboratory results are included in Attachment: Laboratory Analytical Results.

SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Prepared by:

Andre Richardson, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-45125