

Western Regional Office 721 N. Capitol Avenue, Suite 3 Lansing, MI 48906

December 21, 2017

Ingham County Land Bank Authority ATTN: Roxanne Case

RE: Letter of Finding for Dwellings Unfit to Enter (Asbestos/Hazardous Material Surveys)

On this date (12/03/2017), ETC attempted to access the following address to complete an asbestos and hazardous material survey (630 S. Francis Ave, Lansing, MI).

However, due to warnings posted on the property from the Lansing Fire Department, Fire Marshal's Office- Code Enforcement Section, interior access was deemed impossible based on legal and safety restrictions. Consequently, ETC's inspectors only performed exterior testing, where possible and appropriate, at this dwelling.

Based on current state regulations any interior construction materials that may be present in this dwelling must be labeled and disclosed as "assumed ACM", although further testing may be used to dispute that assumption once access to the unit can be safely provided. Should these conditions be remedied and safe access is permitted, ETC will make every effort to conduct the inspection in a timely and compliant manner.

Please feel free to contact me directly with any questions or requests for more information; we stand ready to assist you with your continuing efforts to improve neighborhoods in Ingham County.

Sincerely,

Bryan M. Dryer, Executive Director The ETC Group (517)455-3448 (mobile) bryan.dryer@2etc.com



Andy Schor, Mayor

CITY OF LANSING

Department of Economic Development and Planning

316 N. Capitol Ave., Suite C-1 – Lansing, MI 48933-1238 (517) 483-4355 – Fax (517) 377-0169 Brian McGrain, Director <u>www.LansingMi.gov</u>

Office of Building Safety Unsafe Structures Notice

February 28, 2018

Ingham County Land Bank Fast Track Authority 3024 Turner Street Lansing, Michigan 48906

Regarding: Parcel: 630 South Francis Street #33-01-01-14-380-171

Dear ICLB,

This letter is in regard to the unsafe structure and unsafe site conditions at the aforementioned address. After a review of the site and structure this office has declared this site, structure and Use (R-3), unsafe to occupy in any part and is in structural failure. Therefore the site shall be properly secured to prevent anyone from entry and the structure shall be made safe or removed as stated herein. It is imperative and time is of the essence that steps be taken to address these issues. To ensure the health, safety and welfare for neighbors and the public, the City of Lansing and the State of Michigan requires that the building and site be protected, repaired and/or removed immediately.

This letter shall serves as notice that the property shall be made safe as set forth by the STILLE-DEROSSETT-HALE- SINGLE STATE CONSTRUCTION CODE ACT, Act 230 of 1972 known as the Michigan Building Code 2015 with amendments, in particular section 116.1 of the Michigan Building Code 2015; "Structures or existing equipment that are or hereafter become unsafe, insanitary or deficient because of inadequate means of egress facilitates, inadequate light and ventilation, or which constitutes a fire hazard, or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance, shall be deemed unsafe an unsafe condition. Unsafe structures shall be taken down and removed or made safe, as the Building Official deems necessary and as provided for in this section. A vacant structure that is not secured against entry shall be deemed unsafe."

It is our understanding that measures need to be implemented to abate the structural hazards. This office approves the implementation of any and all measures to abate said hazards as set forth by the code.

Should you have any questions please feel free to contact me at (517) 483-4365 or at <u>Steve.Swan@lansingmi.gov</u> or visit our City web site at <u>cityoflansing.com</u>

Thank you,

Steven M. Swan, C.B.O. Chief Building Inspector City of Lansing, Michigan

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-14-380-171
House No:	630 S Francis Ave, Lansing, MI 48912
Date Inspected:	12/3/2017
Inspected By:	Jake Gleason
Inspectors State Card #	A-49991

Building milormation			
No. Stories	1	Garage	No garage
Square Footage	700 SF	Garage Square Footage	NA
Basement Square Footage	400 SF	Garage Siding	NA
Siding	Vinyl, Wood	Garage Color	NA
Color	Yellow	Garage Shingles	NA
Roof Shingles	Asphalt	Electric (Gone)	Disconnected
Asbestos present	No	Gas (Gone)	Disconnected
Inaccessible areas	Interior—Deemed unsafe to enter Lansing Fire Department		





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

Building Information

Pre-Demolition Environmental Inspection Summary Report

Parcel:	33-01-01-14-380-171			
House No.	630 S Francis Ave, La	nsing, MI 48912		
Date Inspected:	12/3/2017			
TABLE 1				
HAZARDOUS MATERIALS				
Material Description	Quantity & Units	Location		
TV Screens, monitors	4	Shed		

TIRE(s) REPORT

Material	Quantity & Units	Location
Bike tires	3	Shed

Parcel:

33-01-01-14-380-171

House No.

Date Inspected:

630 S Francis Ave, Lansing, MI 48912

12/3/2017

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	NF	House wrap, black	Exterior	1000	No
2	NF	Asphalt shingle, black	Exterior	1100	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.

Sample Location

A

Ingham County Land Bank 199844 Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-14-380-171
House No.	630 S Francis Ave, Lansing, MI 48912
Date Inspected:	12/3/2017





Front of house/property

Side #1 of house/property





Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-14-380-171
House No.	630 S Francis Ave, Lansing, MI 48912
Date Inspected:	12/3/2017



Shed

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-14-380-171
House No.	630 S Francis Ave, Lansing, MI 48912
Date Inspected:	12/3/2017



TV Screen, monitors

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.	Project Location :
	38900 Huron River Drive	
	Romulus, MI 48174	

Attention :

Client Project : 33-01-01-14-380-171

ETC Job: 199844

630 S Francis Ave, Lansing MI

Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
634936	1A	Asbestos Analysis	12/07/2017
634937	1B	Asbestos Analysis	12/07/2017
634938	2A	Asbestos Analysis	12/07/2017
634939	2B	Asbestos Analysis	12/07/2017

Reviewed by:

amjuale

Quality Assurance Coordinator



Certificate of Analysis



Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 199844
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-14-380-171
	38900 Huron River Drive	Date Collected : 12/03/2017
	Romulus,MI 48174	Date Received : 12/05/2017
Location :		Date Analyzed : 12/07/2017
	630 S Francis Ave. Lansing MI	···· · · · · · · · · · · · · · · · · ·

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 634936 Black House Wrap 95% Cellulose 5% Other None Detected 1A Fibrous E Side Above Entry Homogenous Analyst: Daniel Agnew 634937 House Wrap Black 95% Cellulose 5% Other None Detected 1B Fibrous W Side Above Entry Homogenous Analyst: Daniel Agnew 634938 Black Asphalt Shingle 100% Other None Detected 2A Non-Fibrous E Side Above Entry Homogenous Analyst: Daniel Agnew 634939 Black Asphalt Shingle 1% Cellulose 99% Other None Detected 2B Non-Fibrous W Side Above Entry Homogenous Analyst: Daniel Agnew



Lab Supervisor/Other Signatory

Analyst: Daniel Agnew

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-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.

ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600

FAX: (734) 992-2261

Bulk Asbestos Chain of Custody

www.2etl.com			ETL. Project #: 199844	
Client: ETC		Contact: Liv Hageman	Project Location/name:	
Address:	721 N. Capitol Ave. Suite 3,	Fax: (734) 955-6604	Lansing ma	
	Lansing, MI 48906	E-mail: results@2etc.com	Client Project #:	
Please Prov	vide Results: DEmail	□ Fax □ Verbal □ Other	Date Sampled:	
				the state of the s

Turnaround Time (TAT): CRUSH Same Day 24 hr 48 hr -Standard (3+ days) Other

PLM Instru (Check all that	ctions It apply)
□ PLM EPA600/R-93/116, 1993 (Standard method)	Stop at 1st Positive -
Point Counting: 400 Points*	Clearly mark Homogenous Group
D PLM Non-Building Material (Dust, Wipe, Tape)	Soil or Vermiculite Analysis *

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
	OIA-B		
		please see Attacked the	3
	02 A-B		
			n - 12
			\frown
	ht		A

P	Date	Time
Relinquished (Name/Organization): Jake Glack on	12/3/12	5:00 amon
Received (Name/ETL): and the	12/5/17	am/pm
Storeoscopical Analysis (Name/ETL): Dani Alynum	12/6/17	am/pm
Sample Login (Name/ETL): Au the	12/5/17	am/pm
Analysis (Name/ETL): Danne Gupper	1216117	am/pm
QA/QC Review (Name/ETL):	12/7/17	am/pm
Special Instructions:	Remarks	
	1	

Page _ L of _ Z

Form ETL206: Chain of Custody, Revision A

PDF processed with CutePDF evaluation edition www.CutePDF.com

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

JOD #:	100844	Building:	630	S. Francis lansing me	Date: 12/21		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
l	Description black	NF	A B	E side above entry	ext	1000	934
2	Material: Asphalt shingle Description Walker	NF	A B	E side above entry	ext	1100	937
	Material: Description	-	A B	A ROCE WINDLE WITTY	-		434
	Material: Description	-	A				
	Material: Description	-	A				
	Material: Description	_	A				
	Material: Description		B				
	Material: Description		B				
	Material: Description		B				
	Material:		B				

2 samples

Zofz

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.

Jacob Ash

Prepared by: _____

Jake Gleason, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-49991

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-22-279-191
House No:	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017
Inspected By:	Jake Gleason
Inspectors State Card #	A-49991

Building Information

No. Stories	1	Garage	Detached
Square Footage	600 SF	Garage Square Footage	300 SF
Basement Square Footage	600 SF	Garage Siding	Wood
Siding	Wood, Vinyl	Garage Color	White
Color	Cedar, 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: 3	33-01-01-22-279-191
House No.	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Hot Water Heater	1	Room 9
Refrigerator	1	Room 5
Electronics	1	Room 3

TIRE(s) REPORT

Material	Quantity & Units	Location
Tires	1	Exterior

Parcel:

House No.

Date Inspected:

33-01-01-22-279-191

1107 Regent St, Lansing, MI 48912

11/28/2017

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Drywall, white	Throughout	3100 SF	No
2	F	Mud and tape, white	Throughout	3100 SF	No
3	NF	12x12 Peel and Stick, green	Room 1	100 SF	No
4	NF	Rubber pad, black	Room 3, 4, 7	300 SF	No
5	NF	9x9 Tile, red	Room 5	225 SF	YES
6	F	Mastic, black (under 5)	Room 5	225 SF	No
7	NF	Linoleum, yellow and red	Room 5	225 SF	No
8	NF	Blown-in-insulation, grey	Throughout	3100 SF	No
9	NF	Floor leveler, grey	Room 6	75 SF	No
10	NF	12x12 Peel and stick, gold	Room 8	10 SF	No
11	NF	Poured concrete, grey	Room 9	480 SF	No
12	NF	Cinder block mortar, grey	Room 8, 9	500 SF	No
13	F	Sink undercoat, grey	Room 5	4 SF	YES
14	F	House wrap, black	Exterior	1500 SF	No
15	F	Asphalt shingle, black	Exterior	2000 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 199860



Basement



Garage





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

A

Ingham County Land Bank 199860 Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-22-279-191
House No.	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017





Front of house/property

Side #1 of house/property





Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-22-279-191
House No.	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017



Garage

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-22-279-191
House No.	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017



Refrigerator





Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-22-279-191
House No.	1107 Regent St, Lansing, MI 48912
Date Inspected:	11/28/2017





9x9 Floor Tile

Sink Undercoat

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.	Project Location :
	38900 Huron River Drive	1107 Regent St, Lansing, MI
	Romulus, MI 48174	
Atter	tion :	

Client Project : 33-01-01-22-279-191

ETC Job : 199860 Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
633591	01A	Asbestos Analysis	12/07/2017
633592	01B	Asbestos Analysis	12/07/2017
633593	02A	Asbestos Analysis	12/07/2017
633594	02B	Asbestos Analysis	12/07/2017
633595	03A	Asbestos Analysis	12/07/2017
633596	03B	Asbestos Analysis	12/07/2017
633597	04A	Asbestos Analysis	12/07/2017
633598	04B	Asbestos Analysis	12/07/2017
633599	05A	Asbestos Analysis	12/07/2017
633600	05B	Asbestos Analysis	12/07/2017
633601	06A	Asbestos Analysis	12/07/2017
633602	06B	Asbestos Analysis	12/07/2017
633603	07A	Asbestos Analysis	12/07/2017
633604	07B	Asbestos Analysis	12/07/2017
633605	08A	Asbestos Analysis	12/07/2017
633606	08B	Asbestos Analysis	12/07/2017
633607	09A	Asbestos Analysis	12/07/2017
633608	09B	Asbestos Analysis	12/07/2017
633609	10A	Asbestos Analysis	12/07/2017
633610	10B	Asbestos Analysis	12/07/2017

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: 199860

Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
633611	11A	Asbestos Analysis	12/07/2017
633612	11B	Asbestos Analysis	12/07/2017
633613	12A	Asbestos Analysis	12/07/2017
633614	12B	Asbestos Analysis	12/07/2017
633615	13A	Asbestos Analysis	12/07/2017
633616	13B	Asbestos Analysis	12/07/2017
633617	14A	Asbestos Analysis	12/07/2017
633618	14B	Asbestos Analysis	12/07/2017
633619	15A	Asbestos Analysis	12/07/2017
633620	15B	Asbestos Analysis	12/07/2017

Reviewed by:

Darmzwall

Quality Assurance Coordinator



Certificate of Analysis



Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199860
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-279-191
	38900 Huron River Drive	Date Collected :	11/28/2017
Romulus,MI 48174	Romulus,MI 48174	Date Received :	12/01/2017
		Date Analvzed :	12/07/2017
	1107 Regent St, Lansing, MI		

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 633591 White Drywall 5% Cellulose 95% Other None Detected 01A Non-Fibrous Center Ceiling RM 1 Homogenous Analyst: Ian McCusker White 633592 Drvwall 8% Cellulose 92% Other None Detected 01B Non-Fibrous W Wall entry RM 2 Homogenous Analyst: Ian McCusker 633593 White Mud 3% Cellulose 97% Other None Detected 02A Non-Fibrous SE Corner RM 1 Homogenous Layer-1 Analyst: Ian McCusker 633593 White 70% Cellulose 30% Other None Detected Tape 02A Fibrous SE Corner RM 1 Homogenous Layer-2 Analyst: Ian McCusker 633594 White 2% Cellulose 98% Other None Detected Mud 02B Non-Fibrous N Wall RM 2 Homogenous Layer-1 Analyst: Ian McCusker 633594 White Таре 15% Cellulose 85% Other None Detected 02B Fibrous N Wall RM 2 Homogenous Layer-2 Analyst: Ian McCusker 633595 Green 12x12 Peel & Stick 2% Cellulose 98% Other None Detected 03A Non-Fibrous W Entry RM 1 Homogenous Analyst: Ian McCusker

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.



Certificate of Analysis



Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199860
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-279-191
	38900 Huron River Drive	Date Collected :	11/28/2017
	Romulus,MI 48174	Date Received :	12/01/2017
Location :		Date Analyzed :	12/07/2017
	1107 Regent St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
633596 03B E Entry RM 1 Analyst: Ian McCusker	12x12 Peel & Stick	Green Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
633597 04A W Entry RM 3 Analyst: Ian McCusker	Rubber Membrane	Black Non-Fibrous Homogenous	30% Cellulose	70% Other	None Detected
633598 04B W Entry RM 3 Analyst: Ian McCusker	Rubber Membrane	Black Non-Fibrous Homogenous	18% Cellulose	82% Other	None Detected
633599 05A N Entry RM 5 Analyst: Ian McCusker	9x9 Floor Tile	Red Non-Fibrous Homogenous	1% Cellulose	97% Other	2% Chrysotile
633600 05B N Entry RM 5 Analyst: Ian McCusker		Not Analyzed			
633601 06A N Entry RM 5 Analyst: Ian McCusker	Mastic	Black Non-Fibrous Homogenous	7% Cellulose	93% Other	None Detected
633602 06B N Entry RM 5 Analyst: Ian McCusker	Mastic	Black Non-Fibrous Homogenous	11% Cellulose	89% 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 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 :	199860
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-279-191
	38900 Huron River Drive	Date Collected :	11/28/2017
	Romulus,MI 48174	Date Received :	12/01/2017
Location :		Date Analvzed :	12/07/2017
	1107 Regent St. Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
633603 07A West Entry RM 5 Analyst: Ian McCusker	Linoleum	Yellow/Red Non-Fibrous Homogenous	7% Cellulose	93% Other	None Detected
633604 07B N Wall RM 5 Analyst: Ian McCusker	Linoleum	Yellow/Red Non-Fibrous Homogenous	6% Cellulose	94% Other	None Detected
633605 08A S Ceiling RM 8 Analyst: Ian McCusker	Blown Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected
633606 08B S Ceiling RM 8 Analyst: Ian McCusker	Blown Insulation	Grey Fibrous Homogenous	100% Cellulose		None Detected
633607 09A Entry RM 6 Analyst: Ian McCusker	Floor Leveler	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
633608 09B Entry RM 6 Analyst: Ian McCusker	Floor Leveler	Grey Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
633609 10A Middle RM 8 Analyst: Ian McCusker	12x12 Peel & Stick	Gold Non-Fibrous Homogenous		100% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199860
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-279-191
	38900 Huron River Drive	Date Collected :	11/28/2017
	Romulus,MI 48174	Date Received :	12/01/2017
Location :		Date Analyzed :	12/07/2017
	1107 Regent St, Lansing, MI	,	

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 633610 Gold 12x12 Peel & Stick 100% Other None Detected 10B Non-Fibrous Middle RM 8 Homogenous Analyst: Ian McCusker 633611 Concrete Grey 1% Cellulose 99% Other None Detected 11A Non-Fibrous Middle RM 9 Homogenous Analyst: Ian McCusker 633612 Grey Concrete 1% Cellulose 99% Other None Detected 11B Non-Fibrous Middle RM 9 Homogenous Analyst: Ian McCusker 633613 Grey Cinder Block Mortar 1% Cellulose 99% Other None Detected 12A Non-Fibrous S Entry RM 8 Homogenous Analyst: Ian McCusker 633614 Grey Cinder Block Mortar 7% Cellulose 93% Other None Detected 12B Non-Fibrous S Entry RM 8 Homogenous Analyst: Ian McCusker 633615 Grey Sink Undercoat 70% Other 30% Chrysotile 13A Non-Fibrous E Wall RM 5 Homogenous Analyst: Ian McCusker 633616 Not Analyzed 13B

E Wall RM 5 Analyst: Ian McCusker





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 199860
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-22-279-191
	38900 Huron River Drive	Date Collected : 11/28/2017
	Romulus,MI 48174	Date Received : 12/01/2017
Location :		Date Analyzed : 12/07/2017
	1107 Regent St. Lansing, MI	···· · · · · · · · · · · · · · · · · ·

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
633617 14A S Middle Wall Analyst: Ian McCusker	House Wrap	Black Fibrous Homogenous	70% Cellulose	30% Other	None Detected
633618 14B S Middle Wall Analyst: Ian McCusker	House Wrap	Black Fibrous Homogenous	63% Cellulose	37% Other	None Detected
633619 15A NW Corner RM 10 Analyst: Ian McCusker	Asphalt Shingle	Black Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
633620 15B NE Corner House Analyst: Ian McCusker	Asphalt Shingle	Black Non-Fibrous Homogenous	12% Cellulose	88% Other	None Detected



Lab Supervisor/Other Signatory

Analyst: Ian McCusker

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 TESTING LABORATORIES, INC 38900 Huron River Drive

ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261

Bulk Asbestos Chain of Custody

D Other

	www.zetr.com		ETL Project #: 1998(0D)
Cilent:	ETC	Contact: UN Hasernan	Project Location/name:
		Phone: (734) 955-6600	1107 Regent,
Address: 721 N. Capitol Ave. Suite 3,		Fax: (734) 955-6604	Lonsny ME
	Lansing, MI 48906	E-mail: results@2etc.com	Client Project #: 1598/20
Please Prov	vide Results: q Email	□ Fax □ Verbal □ Other	Date Sampled: ulzgla

Turnaround Time (TAT): DRUSH

1 48 hr D-Standard (3+ days)

D+Stop at 1st Positive -

Clearly mark Homogenous Group

Soil or Vermiculite Analysis *

PLM	ns	truc	tions	
Check	lin 1	that	Anna	

🗆 24 hr

D Same Day

DLPCM EPA600/R-93/116, 1993 (Standard method)

Point Counting: 400 Points*

D PLM Non-Building Material (Dust, Wipe, Tape)

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
_	GLAB		
		please See ATTAchee	Shets
		1	
	15 AB		

	Date	Time
Reinquished (Name/Organization):	11/20/17	S. Wamlon
Received (Name/ETL):	112/115	A Damion
Stereoscopical Analysis (Name/ETL):	form woodider 12/1/15	am/om
Sample Login (Name/ETL):	12/4/12	am/pm
Analysis (Name/ETL):	for woardy 12/4/17	ath/om
QA/QC Review (Name/ETL):	17/17	am/pm
Special Instructions:	Remarks	

Page 1 of 3

Form ETL206: Chain of Custody, Revision A

PDF processed with CutePDF evaluation edition www.CutePDF.com

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

000 # .	[49.860	Building:	1167	Rejent, Lunger Dat	Date: 11		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Booms)	Quantity	Picture #
1	Description White	F.	A B	center ceiling run 1 591	Varoughout	2100	
2	Material: MUZ drapt	f	A	So comer rue 1 593	H. wohaut	3100	
3	Material: 12×12 PXS	AIC-	A	Wentry rul 595	iniagnoor	38	
4	Material: Nober pad	NF	B	e entry rmi sap 12 entry rm3 597	1	100F	_
5	Material: Red & 9×9 tile	110	B	Wouhan 5 599	5,4,7	300	
1	Material: Mastic (unders)	NF	B	(26)	5	295	
0	Material: linoleizem	t	B	602	5	225	
a	Material: RIAL AND A VED	Nf	В	Nwall rus 600	5	225	
8	Description grey	NE	B	S ceiling tom 8 1005	throughout	3100	
9	Description FLOOR VENELER	NF	A B	entry, rule 1007	(0	75	-
10	Description QDID	N	A B	middle, runs woog	8	SX 10 ce	1

2083

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

Material		Building:	1107	Reyent, Lansing MI	Date: 11/2	RICO	
no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Picture #
11	Description and concrete	ALE	A	middle in 9 cell	C C		
. 2	Material: Cital - 1	70.1	В	V 1012	9	480	
12	Description grey	NF	A	Sentry rous 413	89	St	
3	Material: Sink undercont		A	00 614	011	Sost	
	Description grey	F	B	e want rmg 1015	5	LISE	
14	Material: NOUSE WRAP	5	А	S middle would let	0	Tol	
ie	Material: acales last	+	В	V UIS	ext	1500	
10	Description When estimates	f	A	NW CONNEX MID 69	Ovel	JADD	
	Material:		A	NE corner house 620	ext	SF	
	Description		B				
-	Material:		A			1.1	
			в				
-	Description		A				-
-	Material:		B				
t	Description		A				
	Material:		B				
	Description	-	A	s		1	

2 samples

3043

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.

Jacob Isa

Prepared by:

Jake Gleason, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-49991

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906				
Parcel:	33-01-01-22-226-331			
House No:	943 MCCullough St, Lansing, MI, 48912			
Date Inspected:	12/22/2017 & 2/15/2018			
Inspected By:	Heather Davis & Jake Gleason			
Inspectors State Card #	A-48908 & A-49991			

Building Information

No. Stories	2	Garage	No Garage
Square Footage	1008 SF	Garage Square Footage	NA
Basement Square Footage	500 SF	Garage Siding	NA
Siding	Vinyl	Garage Color	NA
Color	White	Garage Shingles	NA
Roof Shingles	Asphalt	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:	33-01-01-22-226-331			
House No.	943 MCCullough St, L	943 MCCullough St, Lansing, MI, 48912		
Date Inspected:	12/22/2017 & 2/15/20	18		
	TABLE 1			
HAZARDOUS MATERIALS				
Material Description Quantity & Units Location				
None observed above house	hold quantities			

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-22-226-331

12/22/2017 & 2/15/2018

943 MCCullough St, Lansing, MI, 48912

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Friable (F) / Estimated ACM Material # Non-Friable **Material Description Material Location** Quantity Present (NF) 1 NF Window glaze, white **Exterior** (windows) 8 windows YES 2 NF 3432 SF House wrap, tan Exterior (house) No 3 NF Shingle, grey Exterior (house) 1008 SF No 4 NF Felt paper, black Exterior (house) 1008 SF No 5 NF Window caulk, white Exterior (house) 8 windows No F 144 SF 6 Texture ceiling, white Room 9 No 7 Room 7-9, 11-13 3500 SF NF Plaster, grey No 8 F Duct wrap, brown Throughout 325 SF YES 9 F Blown in insulation, grey Throughout 5900 SF No F 10 Drywall, white Room 1-6, 12 3900 SF No F 11 Mud, white Room 1-6, 12 3900 SF No 12 F Tape, white Room 1-6, 12 3900 SF No 13 NF 12x12 Tile, white Room 6 54 SF No 14 NF Mastic, yellow Room 6 54 SF No 15 NF Poured concrete, grey Room 14, 15 1200 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 199858



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 199858







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 199858



Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-22-226-331
House No.	943 MCCullough St, Lansing, MI, 48912
Date Inspected:	12/22/2017 & 2/15/2018



Front of house/property



Side #1 of house/property







Side #2 of house/property

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-22-226-331
House No.	943 MCCullough St, Lansing, MI, 48912
Date Inspected:	12/22/2017 & 2/15/2018



Window glaze, white



Duct wrap, brown

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 :

943 McCullough St, Lansing, MI

Attention :

Client Project : 33-01-01-22-226-331

ETC Job: 199858

Report Date : 2/19/2018

64337401AAsbestos Analysis64337501BAsbestos Analysis64337602AAsbestos Analysis	
64337501BAsbestos Analysis64337602AAsbestos Analysis	12/26/2017
643376 02A Asbestos Analysis	12/26/2017
	12/26/2017
643377 02B Asbestos Analysis	12/26/2017
643378 03A Asbestos Analysis	12/26/2017
643379 03B Asbestos Analysis	12/26/2017
643380 04A Asbestos Analysis	12/26/2017
643381 04B Asbestos Analysis	12/26/2017
643382 05A Asbestos Analysis	12/26/2017
643383 05B Asbestos Analysis	12/26/2017
687609 6A Asbestos Analysis	12/26/2017
687610 6B Asbestos Analysis	02/19/2018
687611 6C Asbestos Analysis	02/19/2018
687612 7A Asbestos Analysis	02/19/2018
687613 7B Asbestos Analysis	02/19/2018
687614 7C Asbestos Analysis	02/19/2018
687615 7D Asbestos Analysis	02/19/2018
687616 7E Asbestos Analysis	02/19/2018
687617 8A Asbestos Analysis	02/19/2018
687618 8B Asbestos Analysis	02/19/2018

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 : 199858

Report Date : 2/19/2018

Login #	Sample ID	Work Requested	Completed
687619	8C	Asbestos Analysis	02/19/2018
687620	9A	Asbestos Analysis	02/19/2018
687621	9B	Asbestos Analysis	02/19/2018
687622	10A	Asbestos Analysis	02/19/2018
687623	10B	Asbestos Analysis	02/19/2018
687624	11A	Asbestos Analysis	02/19/2018
687625	11B	Asbestos Analysis	02/19/2018
687626	12A	Asbestos Analysis	02/19/2018
687627	12B	Asbestos Analysis	02/19/2018
687628	13A	Asbestos Analysis	02/19/2018
687629	13B	Asbestos Analysis	02/19/2018
687630	14A	Asbestos Analysis	02/19/2018
687631	14B	Asbestos Analysis	02/19/2018
687632	15A	Asbestos Analysis	02/19/2018
687633	15B	Asbestos Analysis	02/19/2018

Reviewed by:

Damywall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	12/22/2017
	Romulus,MI 48174	Date Received :	12/26/2017
Location :		Date Analvzed :	12/26/2017
	943 McCullough St, Lansing, MI	,	

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 643374 White Window Glaze 2% Cellulose 95.25% Other PC 2.75% Chrysotile 01A Non-Fibrous N Window Ext Homogenous Analyst: Jessica Dilworth 643375 Not Analyzed 01B E Window Ext Analyst: Jessica Dilworth 643376 Brown House Wrap 92% Cellulose 8% Other None Detected 02A Fibrous E Ext House Homogenous Analyst: Jessica Dilworth 643377 Brown House Wrap 92% Cellulose 8% Other None Detected 02B Fibrous S Ext House Homogenous Analyst: Jessica Dilworth 643378 Black Shingle 20% Fiberglass 78% Other None Detected 03A Non-Fibrous 2% Cellulose N Ext Roof Homogenous Analyst: Jessica Dilworth 643379 Black Shingle 10% Fiberglass 88% Other None Detected 03B Non-Fibrous 2% Cellulose W Ext Roof Homogenous Analyst: Jessica Dilworth 643380 Black Felt Paper 15% Cellulose 85% Other None Detected 04A Fibrous N Ext Roof Homogenous Analyst: Jessica Dilworth





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	12/22/2017
	Romulus,MI 48174	Date Received :	12/26/2017
Location :		Date Analyzed :	12/26/2017
	943 McCullough St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
643381 04B W Ext Roof Analyst: Jessica Dilwo	Felt Paper	Black Fibrous Homogenous	15% Cellulose	85% Other	None Detected
643382 05A Window S Ext Analyst: Jessica Dilwo	Window Caulk	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
643383 05B Window W Ext Analyst: Jessica Dilwo	Window Caulk	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
687609 6A N Ceilling RM9 Analyst: Dave Cousing	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687610 6B S Ceiling RM9 Analyst: Dave Cousing	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687611 6C Middle Ceiling RM9 Analyst: Dave Cousing	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	02/15/2018
	Romulus,MI 48174	Date Received :	02/16/2018
Location :		Date Analyzed :	02/19/2018
	943 McCullough St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
687612 7A RM7 W Wall Layer-1 Analyst: Da	Plaster ive Cousino	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687612 7A RM7 W Wall Layer-2 Analyst: Da	Skim ive Cousino	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
687613 7B RM8 S Wall Layer-1 Analyst: Da	Plaster ive Cousino	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687613 7B RM8 S Wall Layer-2 Analyst: Da	Skim Ive Cousino	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687614 7C RM9 E Wall Layer-1 Analyst: Da	Plaster ive Cousino	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687614 7C RM9 E Wall Layer-2 Analyst: Da	Skim ive Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	02/15/2018
	Romulus,MI 48174	Date Received :	02/16/2018
Location :		Date Analyzed :	02/19/2018
	943 McCullough St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
687615 7D RM11 N Wall Layer-1 Analyst: Dave	Plaster Cousino	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687615 7D RM11 N Wall Layer-2 Analyst: Dave	Skim Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687616 7E RM13 N Wall Layer-1 Analyst: Dave	Plaster Cousino	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687616 7E RM13 N Wall Layer-2 Analyst: Dave	Skim Cousino	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687617 8A RM8 Vent Analyst: Dave Cousing	Duct Wrap	Brown Fibrous Homogenous	60% Cellulose	20% Other	20% Chrysotile
687618 8B RM13 Vent Analyst: Dave Cousing	0	Not Analyzed			
687619 8C RM3 Vent Analyst: Dave Cousing	0	Not Analyzed			





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	02/15/2018
	Romulus,MI 48174	Date Received :	02/16/2018
Location :		Date Analvzed :	02/19/2018
	943 McCullough St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
687620 9A RM8 S Wall Analyst: Dave Cousino	Blown Insulation	Grey Fibrous Homogenous	90% Cellulose	10% Other	None Detected
687621 9B RM7 W Wall Analyst: Dave Cousino	Blown Insulation	Grey Fibrous Homogenous	85% Cellulose	15% Other	None Detected
687622 10A RM3 W Wall Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687623 10B RM5 S Wall Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687624 11A RM3 W Wall Analyst: Dave Cousino	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687625 11B RM5 S Wall Analyst: Dave Cousino	Mud	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687626 12A RM3 W Wall Analyst: Dave Cousing	Таре	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199858
То :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-226-331
	38900 Huron River Drive	Date Collected :	02/15/2018
	Romulus,MI 48174	Date Received :	02/16/2018
Location :		Date Analyzed :	02/19/2018
	943 McCullough St, Lansing, MI	,	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
687627 12B RM5 S Wall Analyst: Dave Cousino	Таре	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687628 13A RM6 Entry Analyst: Dave Cousino	12x12 Floor Tile	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
687629 13B RM6 N Wall Analyst: Dave Cousino	12x12 Floor Tile	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687630 14A RM6 Entry Analyst: Dave Cousino	Mastic	Yellow Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
687631 14B RM6 N Wall Analyst: Dave Cousino	Mastic	Yellow Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687632 15A RM14 Middle Analyst: Dave Cousing	Poured Concrete	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
687633 15B RM15 Middle Analyst: Dave Cousino	Poured Concrete	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 199858	
То :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-22-226-33	31
	38900 Huron River Drive	Date Collected : 02/15/2018	
	Romulus,MI 48174	Date Received : 02/16/2018	
Location :		Date Analyzed : 02/19/2018	
	943 McCullough St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
2- Lab Supervis	Sor/Other Signatory			Analy	wid (Jumd yst: Dave Cousino

Justica Diluoth

Analyst: Jessica Dilworth

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 TESTING LABORATORIES, INC 1 38900 HURON RIVER DRIVE

ROMULUS, MICHIGAN 48174

(734) 955-6600

k

ł.

Bulk Asbestos Chain of Custody

O Other

242	Fax: (734) 992-226 www.2etl.com	1	ETL Project #: 199858
Client:	FTC	Contact:	Project Location/name:
270		Phone: (734) 955-6600	943 McCullough St
Address:	721 N. Capitol Ave. Suite 3,	Fax: (734) 955-6604	
	Lansing, M! 48906	E-mail: results@Zetc.com	Client Project #:
Please Prov	ide Results:	Fax 🛛 Verbal 🗆 Other	Date Sampled: 12/22/17
Flease Floy		Fax overbal overbal	Date Sampled: 12 22 17

Turnaround Time (TAT): CRUSH □ 24 hr □ 48 hr Ø Standard (3+ days) □ Same Day

	PLM Instructions (Check all that apply)	3 1/455
赵 PLM EPA600/R-93/116, 1993 (Standard method)		Ø-Stop at 1st Positive -
Point Counting: 400 Points*		Clearly mark Homogenous Group
D PLM Non-Building Material (Dust, Wipe, Tape)		Soil or Vermiculite Analysis *

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
	OIA-B		
	OSA-B		
1.0			

P	Date	Time
Relinguished (Name/Organization):	- 12 22 17	5:30 am/dat
Received (Name/ETL): Brittany Walls	112/26/17	am/pm
Stereoscopical Analysis (Name/ETL): Disticte butter	12/26/17	235 am/6m
Sample Login (Name/ETL): Duttomy Walls	12/20/17	am/pm
Analysis (Name/ETL): JUSICOU GULUUT	12/20017	235 amon
QA/QC Review (Name/ETL): Unisu llymail gf	12.26.17	2:46 am/pm
Special Instructions:	Remarks	ĭ
please point count 21 or	less	

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Picture # 10,74 ~ 2 00 -Quantity 8 Units 7278 CNIT 8001 1008 5 22 00 Material Located throughout bidg (Please List all Rooms) ext window VID JAC Pat your 2 20000 Jecon provo 484 + x2 Date: C X+ 543 9 279 274 WINOW Ext27 865 380 383 37 5 38. 38 - house ext house Window ext tx3 Mc Cullough St ext RX+roct a troop Sample Location South 4Jach ちメ 034 Sane as 23B Quindow window 3 NOUM Atros ts ALAN 00134 C.a.S some 548 Sample 4 40 7 9 4 -7 -* 9 9 4 A -4 00 ۹ -4 90 Building: Friable (F) / Non-Friable (NF) SP 5 5 NP 4 9/0/6 Cault Material Description Cural Material: Window Papel Window Shi te Shingle blach ちいち 500 Material: HOUSE har Material: C+ 199858 Material: / Material: Description Description Description Description Material: Description Description Description Material: Material: Material: Material: Description Description Description 5 Job #: Material SC 00 2 0 7 0 C

2 samples

ENVIRO	MENTAL TESTING 38900 Huron Rive Romulus, Michigan (734) 955-6600 Fax: (734) 992-226 www.2etl.com	LABORATORIES, INC R DRIVE 148174 1	Bulk Asbestos Chain of Custody
Client:	FTC	Contact: Liv Hangeman	Project Location/name:
	270	Phone: (734) 955-6600	943 McCallough
Address:	721 N. Capitol Ave. Suite 3,	Fax: (734) 955-6604	LansingMI
	Lansing, MI 48906	E-mail: results@2etc.com	Client Project #: 199858
Please Prov	ride Results: D Email D	Fax D Verbal D Other	Date Sampled: 2 15 /18

Turnaround Time (TAT): C RUSH □ Same Day 24 hr 1 48 hr Standard (3+ days) C Other **PLM Instructions** 3 days (Check all that apply) DePLM EPA600/R-93/116, 1993 (Standard method) Stop at 1st Positive -D Point Counting: 400 Points* Clearly mark Homogenous Group D PLM Non-Building Material (Dust, Wipe, Tape) □ Soil or Vermiculite Analysis *

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
	06A-C		
	07A-E		
	08A-C		
	ORA-B		
	15A-B		

Relinquished (Name/Organization)	Jake Gleason ETC GODDE 1	Date	Time
Received (Name/ETL):	a Print 40	2/16/17	Ilite Geniam
Stereoscopical Analysis (Name/ETL):	David Construit	2/16/18	2:00
Sample Login (Name/ETL):	Brittany Walls	0/10/18	12:22
Analysis (Name/ETL):	David Grand anisel small	12/16/18	2500 amig
QA/QC Review (Name/ETL):	Crnisa Osmailai. 1	12:19.18	11:35 (am/pm)
Special Instructions:		Remarks	
a la constanta da c			

Form ETL206: Chain of Custody; Revision A

Page ____ of ___

PDF processed with CutePDF evaluation edition <u>www.CutePDF.com</u>

Asbestos Material Sampling Summary Sheet Surfacing materials

1044.	202001						
.# 200	144838	Building	5mb:	M. C. Marsh . I marsh	Dato: 0		
Material		Friable (E) (Antenno (Comoon)	SILA :AND	811	
.on	Material Description	Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Picture #
	Material: Shirth Pad		V	al contract of the	(STICOT ALL ALL KOOMS)		
	etinte	(8	S ceiling mug li	HOM		
Y	220	4	2	widde ceiling rungle	6	There	
~	Jan Drostor	-		0		44	
9	3						
	Material: Plesher		A				
	tother avery	NC	620	ring & wall 613	7-9	22002	
Г			Alt	CIM II N wall 105	11-13		
				and theat are the and			-
	Material:	T					
							5
			Π				

1000 - <5000 = 5 samples

1

<1000 SF = 3 samples

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

Revision date 5/7/2015

ob #:	199858	Building:	947	2 MCD/1069/2 Lansing Date:	2110	10	
erial o.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location, Material L	Located	81	
	Material: DUCH WYAP		4	(Please List	out bidg all Rooms)	Quantity	Picture #
p	Brown	t	0	KW 13 VENT 618 618	100	582	
	Material: Description			I'M 3 LIPLAT LOID MINUN	t sor		
T							
	Material: Descrimtion						
	Material:						
	Material:						
	rescription		T				
	Material:		T				
	Cosciption						
	Material:		T				
	Uoliduseo						
		1	1				

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

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Job #	10000						
	1-1630	Building:	242	1 1 1 1 1 V V			
Material		Eriahlo (EV)		a relation of marine D	ate: 2/15/	8	
no.	Material Description	Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Oliantity	Dicture #
0	Material: BIN UN-TIN TACITO	•			lease List all Rooms)	(mar.	-
5	Description	t		1 Ocollog Vialy S Jan	L. rwall	00	
-	Material:		2	WT W TWALL BAI	thom	0.18	
9	Description Description	¢	A	CM 3 W WALL (033)	1 1. 65		
	Material: Nu, d	T	n <	rm 5 S wail logs	pilon-1	3400	Î
11	Description Write	ct	τ α	We way log	1-10.12	2000	
4	Material: Leye	T		CM > 2 wall 625		2100	
DN	Description 12 NA FR	ch	c a	ANS W Wall logle	1 (21)	3900	
12	Material: 12×12 1-10		A	Leal / DAN & CIM			
3	Description	AP-		we entry loag	6	CIL	
14	Material: MUCSHIC (UNLOR X)	0	4	Mine N warl 1030	0	he	
-	Description	1+N	a	and rutury 630		112	
1	Material: On Work Controllo			(m (e) wall (63)	9	10	
3	Description	2F-	τ 0	rnily middle 633	0101		Τ
	Material: 0 0		•	ruis widdle 633	0111	Sold	
	Description		x 1			T	Τ
	Material:		8			1	
	Description		A			T	T
	Material:	1	8				
	Description		A		T	T	T
			B				
						-	

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.

Prepared by:

Jacob Iste

Heather Davis & Jake Gleason, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-48908 & A-49991

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:

Ingham County Land Bank 3024 Turner Street Lansing, MI 48906

Parcel:	33-01-01-22-206-161
House No:	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017
Inspected By:	Jake Gleason
Inspectors State Card #	A-49991

Building Information

No. Stories	1	Garage	No Garage
Square Footage	1000 SF	Garage Square Footage	NA
Basement Square Footage	900 SF	Garage Siding	NA
Siding	Aluminum	Garage Color	NA
Color	White	Garage Shingles	NA
Roof Shingles	Asphalt	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:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Hot Water Heater	1	Room 9
Refrigerator	1	Room 7
Light Ballast	Multiple	Room 2, 3, 7
Smoke Detector	1	Room 2
Florescent Light Bulbs	Multiple	Room 2, 3, 7

TIRE(s) REPORT

Location

Material

Quantity & Units

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-22-206-161

1036 Dakin St, Lansing, MI 48912

12/3/2017

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	F	Plaster, white	Throughout	2900 SF	YES
2	F	Textured ceiling, white	Room 1, 2, 3	450 SF	No
3	F	Duct wrap, brown/black	Throughout	20 LF	YES
4	F	Ceiling tile, white bumpy	Room 6	144 SF	No
5	F	Ceiling tile, white smooth	Room 4	144 SF	No
6	NF	Linoleum, brown and yellow	Room 4	144 SF	YES
7	NF	12x12 Peel and stick, yellow	Room 3, 5	60 SF	No
8	NF	Linoleum, flower yellow	Room 6	144 SF	YES
9	NF	12x12 Peel and stick, diamond yel- low	Room 7	96 SF	YES
10	NF	9x9 Tile, red and tan	Room 7	96 SF	YES
11	F	Mastic, black (under 10)	Room 7	96 SF	No
12	NF	Poured cement, grey	Room 8	800 SF	No
13	NF	House wrap, brown	Exterior	1800 SF	No
14	F	Window glaze, white	Exterior	14 windows	YES
15	F	Asphalt shingle, black	Exterior (house)	1500 SF	No
16	F	Asphalt shingle, white	Exterior (shed)	50 SF	No
17	NF	Blown-in-insulation, grey	Throughout	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

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.

Sample Location

A

Ingham County Land Bank 199857

Basement

Attic



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 199857



Sample Location

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017





Front of house/property

Side #1 of house/property





Side #2 of house/property

Representative Pictures of House/Property

Parcel:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017





Shed

Shed 2

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017



Refrigerator





Smoke Detector

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017





Plaster

Duct wrap



Linoleum, brown/yellow



Linoleum, flower yellow

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-22-206-161
House No.	1036 Dakin St, Lansing, MI 48912
Date Inspected:	12/3/2017



12x12 Peel and Stick, yellow; 9x9 Floor tile, red/tan



Window glaze

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.	Project Location :
	38900 Huron River Drive	1036 Dakin St, Lansing, MI
	Romulus, MI 48174	
Atten	tion :	

Client Project : 33-01-01-22-206-161

ETC Job : 199857 Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
634795	01A	Asbestos Analysis	12/07/2017
634796	01B	Asbestos Analysis	12/07/2017
634797	01C	Asbestos Analysis	12/07/2017
634798	01D	Asbestos Analysis	12/07/2017
634799	01E	Asbestos Analysis	12/07/2017
634800	02A	Asbestos Analysis	12/07/2017
634801	02B	Asbestos Analysis	12/07/2017
634802	02C	Asbestos Analysis	12/07/2017
634803	03A	Asbestos Analysis	12/07/2017
634804	03B	Asbestos Analysis	12/07/2017
634805	03C	Asbestos Analysis	12/07/2017
634806	04A	Asbestos Analysis	12/07/2017
634807	04B	Asbestos Analysis	12/07/2017
634808	05A	Asbestos Analysis	12/07/2017
634809	05B	Asbestos Analysis	12/07/2017
634810	06A	Asbestos Analysis	12/07/2017
634811	06B	Asbestos Analysis	12/07/2017
634812	07A	Asbestos Analysis	12/07/2017
634813	07B	Asbestos Analysis	12/07/2017
634814	08A	Asbestos Analysis	12/07/2017

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: 199857

Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
634815	08B	Asbestos Analysis	12/07/2017
634816	09A	Asbestos Analysis	12/07/2017
634817	09B	Asbestos Analysis	12/07/2017
634818	10A	Asbestos Analysis	12/07/2017
634819	10B	Asbestos Analysis	12/07/2017
634820	11A	Asbestos Analysis	12/07/2017
634821	11B	Asbestos Analysis	12/07/2017
634822	12A	Asbestos Analysis	12/07/2017
634823	12B	Asbestos Analysis	12/07/2017
634824	13A	Asbestos Analysis	12/07/2017
634825	13B	Asbestos Analysis	12/07/2017
634826	14A	Asbestos Analysis	12/07/2017
634827	14B	Asbestos Analysis	12/07/2017
634828	15A	Asbestos Analysis	12/07/2017
634829	15B	Asbestos Analysis	12/07/2017
634830	16A	Asbestos Analysis	12/07/2017
634831	16B	Asbestos Analysis	12/07/2017
634832	17A	Asbestos Analysis	12/07/2017
634833	17B	Asbestos Analysis	12/07/2017

Reviewed by:

Samzwall

Quality Assurance Coordinator





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 199857
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-22-206-161
	38900 Huron River Drive	Date Collected : 12/03/2017
	Romulus,MI 48174	Date Received : 12/05/2017
Location :		Date Analyzed: 12/07/2017
	1036 Dakin St. Lansing, MI	

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 634795 White Plaster 1.25% Cellulose 98.25% Other PC 0.5% Chrysotile 01A Non-Fibrous ceiling middle rm 1 Homogenous Analyst: Daniel Agnew White 634796 Plaster 0.75% Cellulose 98.5% Other PC 0.75% Chrysotile 01B Non-Fibrous E wall sentry rm 2 Homogenous Layer-1 Analyst: Daniel Agnew 634796 White Texture 100% Other None Detected 01B Non-Fibrous E wall sentry rm 2 Homogenous Layer-2 Analyst: Daniel Agnew 634797 White Texture 0.75% Cellulose 98% Other PC 1.25% Chrysotile 01C Non-Fibrous E wall N entry rm 2 Homogenous Analyst: Daniel Agnew 634798 White Plaster 1.25% Cellulose 98.25% Other PC 0.5% Chrysotile 01D Non-Fibrous N wall 5 Homogenous Layer-1 Analyst: Daniel Agnew 634798 White Texture 100% Other None Detected 01D Non-Fibrous N wall 5 Homogenous Layer-2 Analyst: Daniel Agnew 634799 White Plaster 98.5% Other PC 1.5% Chrysotile 01E Non-Fibrous E wall rm 7 Homogenous Analyst: Daniel Agnew





Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199857
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-206-161
	38900 Huron River Drive	Date Collected :	12/03/2017
	Romulus,MI 48174	Date Received :	12/05/2017
Location :		Date Analyzed :	12/07/2017
	1036 Dakin St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634800 02A center rm 2 Analyst: Daniel Agnew	Textured Ceiling	White Non-Fibrous Homogenous		100% Other	None Detected
634801 02B center rm 1 Analyst: Daniel Agnew	Textured Ceiling	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634802 02C center rm 3 Analyst: Daniel Agnew	Textured Ceiling	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
634803 03A rm 5 vent Analyst: Daniel Agnew	Duct Wrap	Black/Brown Fibrous Homogenous	25% Cellulose	5% Other	70% Chrysotile
634804 03B rm 1 W vent Analyst: Daniel Agnew	Duct Wrap	Black/Brown Fibrous Homogenous	20% Cellulose	15% Other	65% Chrysotile
634805 03C rm 6 e vent Analyst: Daniel Agnew	Duct Wrap	Black/Brown Fibrous Homogenous	20% Cellulose	10% Other	70% Chrysotile
634806 04A rm 6 W side Analyst: Daniel Agnew	Ceiling Tile	White Fibrous Homogenous	100% Cellulose		None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199857
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-206-161
	38900 Huron River Drive	Date Collected :	12/03/2017
	Romulus,MI 48174	Date Received :	12/05/2017
Location :		Date Analyzed :	12/07/2017
	1036 Dakin St, Lansing, MI		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634807 04B rm 6 middle Analyst: Daniel Agnew	Ceiling Tile	White Fibrous Homogenous	100% Cellulose		None Detected
634808 05A rm 4 E side Analyst: Daniel Agnew	Ceiling Tile	White Fibrous Homogenous	100% Cellulose		None Detected
634809 05B rm 4 middle Analyst: Daniel Agnew	Ceiling Tile	White Fibrous Homogenous	97% Cellulose	3% Other	None Detected
634810 06A rm 4 entry Analyst: Daniel Agnew	Linoleum	Brown/Yellow Fibrous Homogenous	15% Cellulose	35% Other	50% Chrysotile
634811 06B rm 4 middle Analyst: Daniel Agnew	Linoleum	Brown/Yellow Fibrous Homogenous	10% Cellulose	40% Other	50% Chrysotile
634812 07A rm 3 E entry Analyst: Daniel Agnew	12x12 Peel & Stick	Yellow Non-Fibrous Homogenous		100% Other	None Detected
634813 07B rm 5 s entry Analyst: Daniel Agnew	12x12 Peel & Stick	Yellow Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 199857
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-22-206-161
	38900 Huron River Drive	Date Collected : 12/03/2017
	Romulus,MI 48174	Date Received : 12/05/2017
Location :		Date Analyzed : 12/07/2017
	1036 Dakin St. Lansing, MI	

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 634814 Grey Linoleum 34% Cellulose 31% Other 35% Chrysotile 08A Fibrous rm 6 entry Homogenous Analyst: Daniel Agnew 634815 Linoleum Grey 30% Cellulose 25% Other 45% Chrysotile 08B Fibrous rm 6 middle Homogenous Analyst: Daniel Agnew 634816 Yellow 12x12 Peel & Stick 2% Cellulose 96% Other 2% Chrysotile 09A Non-Fibrous rm 7 E entry Homogenous Analyst: Daniel Agnew Yellow 634817 12x12 Peel & Stick 2% Cellulose 96% Other 2% Chrysotile 09B Non-Fibrous rm 7 w entry Homogenous Analyst: Daniel Agnew 634818 Red/Tan 9x9 Floor Tile 1% Cellulose 97% Other 2% Chrysotile 10A Non-Fibrous rm 7 E entry Homogenous Analyst: Daniel Agnew 634819 Red/Tan 9x9 Floor Tile 2% Cellulose 96% Other 2% Chrysotile 10B Non-Fibrous rm 7 W entry Homogenous Analyst: Daniel Agnew 634820 Black Mastic 5% Cellulose 95% Other None Detected 11A Non-Fibrous rm 7 E entry Homogenous Analyst: Daniel Agnew

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199857
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-206-161
	38900 Huron River Drive	Date Collected :	12/03/2017
	Romulus,MI 48174	Date Received :	12/05/2017
Location :		Date Analyzed :	12/07/2017
	1036 Dakin St, Lansing, MI	-	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634821 11B rm 7 W entry Analyst: Daniel Agnew	Mastic	Black Non-Fibrous Homogenous	4% Cellulose	96% Other	None Detected
634822 12A rm 9 center Analyst: Daniel Agnew	Poured Cement	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
634823 12B rm 9 N center Analyst: Daniel Agnew	Poured Cement	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
634824 13A NW corner Analyst: Daniel Agnew	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected
634825 13B NW corner Analyst: Daniel Agnew	House Wrap	Brown Fibrous Homogenous	100% Cellulose		None Detected
634826 14A rm 1 ext window Analyst: Daniel Agnew	Window Glaze	White Non-Fibrous Homogenous	3% Cellulose	95% Other	2% Chrysotile
634827 14B rm 4 ext window Analyst: Daniel Agnew	Window Glaze	White Non-Fibrous Homogenous	3% Cellulose	94% Other	3% Chrysotile

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199857
To :	Environmental Testing And Consulting Inc.	Client Project :	33-01-01-22-206-161
	38900 Huron River Drive	Date Collected :	12/03/2017
	Romulus,MI 48174	Date Received :	12/05/2017
Location :		Date Analyzed :	12/07/2017
	1036 Dakin St. Lansing, MI		

Description % Fibrous % Non-Fibrous % Asbestos Sample Appearance 634828 Black Asphalt Shingle 7% Cellulose 93% Other None Detected 15A Non-Fibrous middle E side Homogenous Analyst: Daniel Agnew 634829 Asphalt Shingle Black 2% Cellulose 98% Other None Detected 15B Non-Fibrous back porch Homogenous Analyst: Daniel Agnew 634830 White Asphalt Shingle 10% Cellulose 90% Other None Detected 16A Non-Fibrous NW corner Homogenous Analyst: Daniel Agnew White 634831 Asphalt Shingle 8% Cellulose 92% Other None Detected 16B Non-Fibrous SE corner Homogenous Analyst: Daniel Agnew 634832 Brown Blown Insulation 1% Cellulose 1% Other None Detected 17A Fibrous 98% Fiberglass N side Homogenous Analyst: Daniel Agnew 634833 Brown Blown Insulation 99% Fiberglass 1% Other None Detected 17B Fibrous S side Homogenous Analyst: Daniel Agnew



Lab Supervisor/Other Signatory

Analyst: Daniel Agnew

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 199857	
To :	Environmental Testing And Consulting Inc.	Client Project : 33-01-01-22-206-16	1
	38900 Huron River Drive	Date Collected : 12/03/2017	
	Romulus,MI 48174	Date Received : 12/05/2017	
Location :		Date Analyzed : 12/07/2017	
	1036 Dakin St, Lansing, MI		

Sample

Appearance

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

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ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600

FAX: (734) 992-2261

Bulk Asbestos Chain of Custody

	www.2eil.com		ETL Project #: 199857
Client:	ETC	Contact: Liv Haserman	Project Location/name:
		Phone: (734) 955-6600	1036 DANCIN ST
Address:	721 N. Capitol Ave. Suite 3,	Fax: (734) 955-6504	Lansing MI
	Lansing, MI 48906	E-mail: results@2etc.com	Client Project #:0 1998-7
Please Prov	ride Results: D'Email	□ Fax □ Verbal □ Other	Date Sampled: 12/3/12

Turnaround Time (TAT): D RUSH D Same Day 🗆 24 hr 🗆 48 hr □ Standard (3+ days) O Other

PL! (Che	f Instructions eck all that apply)
PLM EPA600/R-93/116, 1993 (Standard method)	□ Stop at 1st Positive -
Point Counting: 400 Points*	Clearly mark Homogenous Group
PLM Non-Building Material (Dust, Wipe, Tape)	Soil or Vermiculite Analysis *
* Add Blowed at any state	

iditional charge and furnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
634795	OL ABODE		
	OZ ABC	Dease see Amached She	atr
	O3 ABC	1	9
	OYAB		
-	<u> </u>		
1			
634833	IT AB		
	Section 1997		

	Date	Time
Relinquished (Name/Organization): Jall 61000	12 3 1.17	Sive C
Received (Name/ETL):	12.5.17	am/om
Stereascopical Anelysis (Name/ETL): Daniel Aynen	- 12-6-17	am/pm
Sample Login (Name/ETL): (Illin June	12.5.17	am/pm
Analysis (Name/ETL): Punich (lophew)	12-6-17	am/pm
QA/QC Review (Name/ETL):	121717	am/pm
Special Instructions:	Remarks	1

Page ____ of ____

Form ETL206: Chain of Custody; Revision A

PDF processed with CutePDF evaluation edition www.CutePDF.com

Asbestos Material Sampling Summary Sheet Surfacing materials

100

Revision date 5/7/2015

Job #:	199857	Building	: 1036	DAKEN ST COMP INT	Date: / /		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Picture
ι	Material: Plaster White	f	A B C B D E	Creiting middle rm163 E. wall Sentry rm2 E. wall Dentry rm2 N wall 5 798 E. wall rm 7 799	(Fierase List all Rooms) H795 796 797 797 Ywrou gwe ^{ut}	Jaco	
2	Material: ferfuned ceiling White	F	ABC	F center rm 2 800 Center rm 1 801 center mm 3 802	K213	450	
	Material:						-

2085

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

12 6

Revision date 5/7/2015

Material		Feleble (F) (10.56	Dakin St. Lansing MI	Date: 12/3/1.	2	
no.	Material Description	Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Picture #
3	Description brown/black	7	AB	rm 5 vent 634803 rm/ 12 vent 804	Huroughout	20	
	Material: Description	-		run le cuent 805			
	Material: Description						
	Material: Description					_	
-	Material: Description	_					
	Material: Description						
	Material:						

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

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

Material		Erinkin (F) (103	6 DAKINST, Lansing	Date: 12/3/1	>	-
no,	Material Description	Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Picture #
4	Material: Chiling Lile	C	A	rm le cast uside 1248	(Flease List all Rooms)		
-	Material: Ceiting Vila	Ŧ	B	rnile middle 807	6	144	
D	Description white smooth	F	AB	rm4 @ E Side 808	11	4111	
G	Material: linoleom	110	A	VAL 4 PALLE 809	4	174	
7	Material: 12×12 Polo	NF	B	pm 4 middle 811	4	144	
1	Description fellow	NF	B	rm 5 S entry 812	3:5	10000	
8	Description FUSHIER Hollow	NC	A	rmle entry 813	(
a	Material: 12×12 P+S	0	B	mile middle 815	le	144	
1	Material a can be for	Nt	В	rm 7 1. 1 entry 816	7	96	
0	Description Ned + Law	NE	A	run 7 e entry 818		01	-
11	Material: Mastic (under 10)		A	VM7 Wentry 819	(16	
~	Material: 201 SA - A Control	DH	B	VANT IN ENTRy 820	1	96	
2	Description grey	NG	A	run 9 center 0 822	C,	Con	-
13-	Material: HOUSE whap	116	A	1/12 conter 823	8	rou	
	brown	1/4	В	Nw corner 824	ext	400	

4of5

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Revision date 5/7/2015

JOD #:		Building:	103	6 DAKIN ST. CARSUN MT	Date: 12/2/		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)) Quantity	Picture #
14	Description White	F	A	rm lext windows	PX+	14	
15	Material: Asphalt shingle	0	A	middle P. Side 87		arind	
N.	Material: Asplant + stainate	+	B	back porch 829	ext	1500	
1.0	Description White	4	B	SE corner 830	ext	SOE	
17	Description Blown in Insulation	NF	A	N Stde 832	in movem	100	
	Material:		A	<u>> >12e 833</u>	Magax	6	
	Material:		B				
_	Description		В				
	Description		A				
	Material: Description		A				
	Material:		В				
	Description		B				
	Material: Description		A				
			B				

2 samples

Sofs

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.

Jacob Ish

Prepared by: _

Jake Gleason, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-49991

PRE-DEMOLITION ENVIRONMENTAL INSPECTION SUMMARY REPORT

Prepared For:Ingham County Land Bank
3024 Turner Street
Lansing, MI 48906Parcel:33-01-01-22-206-142House No:1042 Dakin St, Lansing, MI 48912Date Inspected:12/15/2017Inspected By:Wade WiltseInspectors State Card #A-51051

Building Information

No. Stories	2	Garage	No Garage
Square Footage	720 SF	Garage Square Footage	NA
Basement Square Footage	720 SF	Garage Siding	NA
Siding	Asphalt	Garage Color	NA
Color	Blue/green	Garage Shingles	NA
Roof Shingles	Asphalt	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:	33-01-01-22-206-142
House No.	1042 Dakin St, Lansing, MI 48912
Date Inspected:	12/15/2017

TABLE 1

HAZARDOUS MATERIALS

Material Description	Quantity & Units	Location
Hot Water Tank	7	Room 1
Air Conditioners/refrigerators/ freezers	13	Room 1, 7
Electronics	11	Room 7, 9
Fire Extinguishers	2	Room 4, 10
Misc. Items (solvents, cleaners)	10	Room 7
Thermostats	1	Room 1

TIRE(s) REPORT

Material

Quantity & Units

Location

None observed above household quantities

Parcel:

House No.

Date Inspected:

33-01-01-22-206-142

1042 Dakin St, Lansing, MI 48912

12/15/2017

TABLE 2 SUSPECT ASBESTOS CONTAINING MATERIALS

Material #	Friable (F) / Non-Friable (NF)	Material Description	Material Location	Estimated Quantity	ACM Present
1	NF	Plaster, grey	Throughout	2500 SF	No
2	F	Duct wrap, white	Room 10	2 SF	YES
3	NF	Drywall, white	Throughout	2500 SF	No
4	F	Tape, white	Throughout	23 SF	No
5	F	Mud, grey	Throughout	23 SF	No
6	NF	Flooring, tan	Room 1	540 SF	No
7	NF	Linoleum, grey	Room 3	144 SF	No
8	NF	12x12 Tile, tan	Room 3	144 SF	No
9	NF	Linoleum, grey	Room 4	180 SF	No
10	NF	Linoleum, brown	Room 4	180 SF	No
11	NF	Concrete block, grey	Rooms 7, 8, Exterior	528 SF	No
12	NF	Mortar, grey	Rooms 7, 8, Exterior	18 SF	No
13	NF	Poured cement, grey	Rooms 7, 8	720 SF	No
14	F	Blown-in-insulation, grey	Room 14	81 SF	No
15	NF	Linoleum, black	Room 5	54 SF	No
16	F	House wrap, tan	Exterior	1856 SF	No
17	NF	Shingle siding, black/green	Exterior	1856 SF	No
18	NF	Asphalt roof shingle, black	Exterior	720 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 200410







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 200410

Sample Location

А





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 200410

 \bigwedge Sample Location

Attachment:

Site Photographs

Representative Pictures of House/Property

Parcel:	33-01-01-22-206-142
House No.	1042 Dakin St, Lansing, MI 48912
Date Inspected:	12/15/2017





Front of house/property



Back of house/property

Side #1 of house/property



Side #2 of house/property

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-22-206-142
House No.	1042 Dakin St, Lansing, MI 48912
Date Inspected:	12/15/2017



Hot Water Tank



Air Conditioners/refrigerators/freezers





Fire Extinguishers

Representative Pictures of Hazardous Materials

Parcel:	33-01-01-22-206-142
House No.	1042 Dakin St, Lansing, MI 48912
Date Inspected:	12/15/2017





Misc. Items (solvents, cleaners)

Thermostats

Representative Pictures of Asbestos Containing Materials

Parcel:	33-01-01-22-206-142
House No.	1042 Dakin St, Lansing, MI 48912
Date Inspected:	12/15/2017



Duct Wrap

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.	Project Location :	
	38900 Huron River Drive	1	1042 Dakin St, Lansing, MI 48912
	Romulus, MI 48174		
Atter	ntion :		

Client Project : N/A

ETC Job : 200410 Report Date : 12/20/2017

640801 01A Asbestos Analysis 12/20/2017 640802 01B Asbestos Analysis 12/20/2017 640803 01C Asbestos Analysis 12/20/2017 640804 01D Asbestos Analysis 12/20/2017 640805 01E Asbestos Analysis 12/20/2017 640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017	Login #	Sample ID	Work Requested	Completed
640802 01B Asbestos Analysis 12/20/2017 640803 01C Asbestos Analysis 12/20/2017 640804 01D Asbestos Analysis 12/20/2017 640805 01E Asbestos Analysis 12/20/2017 640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017	640801	01A	Asbestos Analysis	12/20/2017
640803 01C Asbestos Analysis 12/20/2017 640804 01D Asbestos Analysis 12/20/2017 640805 01E Asbestos Analysis 12/20/2017 640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017	640802	01B	Asbestos Analysis	12/20/2017
640804 01D Asbestos Analysis 12/20/2017 640805 01E Asbestos Analysis 12/20/2017 640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017	640803	01C	Asbestos Analysis	12/20/2017
640805 01E Asbestos Analysis 12/20/2017 640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017	640804	01D	Asbestos Analysis	12/20/2017
640806 02A Asbestos Analysis 12/20/2017 640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017	640805	01E	Asbestos Analysis	12/20/2017
640807 02B Asbestos Analysis 12/20/2017 640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640819 08B Asbestos Analysis 12/20/2017	640806	02A	Asbestos Analysis	12/20/2017
640808 02C Asbestos Analysis 12/20/2017 640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640819 08B Asbestos Analysis 12/20/2017	640807	02B	Asbestos Analysis	12/20/2017
640809 03A Asbestos Analysis 12/20/2017 640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640819 08B Asbestos Analysis 12/20/2017	640808	02C	Asbestos Analysis	12/20/2017
640810 03B Asbestos Analysis 12/20/2017 640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640809	03A	Asbestos Analysis	12/20/2017
640811 04A Asbestos Analysis 12/20/2017 640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640810	03B	Asbestos Analysis	12/20/2017
640812 04B Asbestos Analysis 12/20/2017 640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640811	04A	Asbestos Analysis	12/20/2017
640813 05A Asbestos Analysis 12/20/2017 640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640812	04B	Asbestos Analysis	12/20/2017
640814 05B Asbestos Analysis 12/20/2017 640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640813	05A	Asbestos Analysis	12/20/2017
640815 06A Asbestos Analysis 12/20/2017 640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640814	05B	Asbestos Analysis	12/20/2017
640816 06B Asbestos Analysis 12/20/2017 640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640815	06A	Asbestos Analysis	12/20/2017
640817 07A Asbestos Analysis 12/20/2017 640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640816	06B	Asbestos Analysis	12/20/2017
640818 07B Asbestos Analysis 12/20/2017 640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640817	07A	Asbestos Analysis	12/20/2017
640819 08A Asbestos Analysis 12/20/2017 640820 08B Asbestos Analysis 12/20/2017	640818	07B	Asbestos Analysis	12/20/2017
640820 08B Asbestos Analysis 12/20/2017	640819	08A	Asbestos Analysis	12/20/2017
	640820	08B	Asbestos Analysis	12/20/2017

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Client Project : N/A

ETC Job: 200410

Report Date : 12/20/2017

Login #	Sample ID	Work Requested	Completed
640821	09A	Asbestos Analysis	12/20/2017
640822	09B	Asbestos Analysis	12/20/2017
640823	10A	Asbestos Analysis	12/20/2017
640824	10B	Asbestos Analysis	12/20/2017
640825	11A	Asbestos Analysis	12/20/2017
640826	11B	Asbestos Analysis	12/20/2017
640827	12A	Asbestos Analysis	12/20/2017
640828	12B	Asbestos Analysis	12/20/2017
640829	13A	Asbestos Analysis	12/20/2017
640830	13B	Asbestos Analysis	12/20/2017
640831	14A	Asbestos Analysis	12/20/2017
640832	14B	Asbestos Analysis	12/20/2017
640833	15A	Asbestos Analysis	12/20/2017
640834	15B	Asbestos Analysis	12/20/2017
640835	16A	Asbestos Analysis	12/20/2017
640836	16B	Asbestos Analysis	12/20/2017
640837	17A	Asbestos Analysis	12/20/2017
640838	17B	Asbestos Analysis	12/20/2017
640839	18A	Asbestos Analysis	12/20/2017
640840	18B	Asbestos Analysis	12/20/2017

Reviewed by:

wall

Quality Assurance Coordinator

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Login #	Sample ID	Work Requested	Completed
		Report Date : 12/20/2017	
Client Project : N/A	ETC Job : 200410		

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Environmental Testing Laboratories, Inc. 38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200410
To :	Environmental Testing And Consulting Inc.	Client Project :	N/A
	38900 Huron River Drive	Date Collected :	12/15/2017
	Romulus,MI 48174	Date Received :	12/19/2017
Location :		Date Analyzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912	-	

Sample Description Appearance % Fibrous % Non-Fibrous % Asbestos 640801 Grey Plaster 2% Cellulose 98% Other None Detected 01A Non-Fibrous 1 N Wall Homogenous Layer-2 Analyst: Liliane Mason 640802 Grey Plaster 2% Cellulose 98% Other None Detected 01B Non-Fibrous 5 W Wall Homogenous Analyst: Liliane Mason 640803 Grey Plaster 2% Cellulose 98% Other None Detected 01C Non-Fibrous 2 E Wall Homogenous Analyst: Liliane Mason 640804 Grey Plaster 2% Cellulose 98% Other None Detected 01D Non-Fibrous 9 W Wall Homogenous Analyst: Liliane Mason 640805 Grey Plaster 2% Cellulose 98% Other None Detected 01E Non-Fibrous 11 W Wall Homogenous Analyst: Liliane Mason 640806 White Duct Wrap 50% Other 50% Chrysotile 02A Fibrous 10 E Wall Homogenous Analyst: Liliane Mason 640807 Not Analyzed 02B 10 E Wall

Analyst: Liliane Mason

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Polarized Light Microscopy Asbestos Analysis Report

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To :	Environmental Testing And Consulting Inc.	Client Project :	N/A
	38900 Huron River Drive	ate Collected :	12/15/2017
	Romulus,MI 48174	Date Received :	12/19/2017
Location :	0	Date Analyzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
640808 02C 10 E Wall Analyst: Liliane Mason		Not Analyzed			
640809 03A 1 E Wall Analyst: Liliane Mason	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
640810 03B 2 E Wall Analyst: Liliane Mason	Drywall	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
640811 04A 1 E Wall Analyst: Liliane Mason	Таре	White Non-Fibrous Homogenous	80% Fiberglass	20% Other	None Detected
640812 04B 2 E Wall Analyst: Liliane Mason	Таре	White Non-Fibrous Homogenous	80% Cellulose	20% Other	None Detected
640813 05A 1 E Wall Analyst: Liliane Mason	Mud	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
640814 05B 2 E Wall Analyst: Liliane Mason	Mud	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200410
To :	Environmental Testing And Consulting Inc.	Client Project :	N/A
	38900 Huron River Drive	Date Collected :	12/15/2017
	Romulus,MI 48174	Date Received :	12/19/2017
ation :		Date Analyzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912		

Location :

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
640815 06A 1 E Floor Analyst: Liliane Mason	Flooring	Tan Non-Fibrous Homogenous		99.25% Other	PC 0.75% Chrysotile
640816 06B 1 W Floor Analyst: Liliane Mason	Flooring	Tan Non-Fibrous Homogenous		99.5% Other	PC 0.5% Chrysotile
640817 07A 3 S Floor Analyst: Liliane Mason	Linoleum	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
640818 07B 3 N Floor Analyst: Liliane Mason	Linoleum	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
640819 08A 3 S Floor Analyst: Liliane Mason	12x12 Tile	Tan Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
640820 08B 3 N Floor Analyst: Liliane Mason	12x12 Tile	Tan Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
640821 09A 4 N Floor Analyst: Liliane Mason	Linoleum	Grey Fibrous Homogenous	20% Cellulose	80% Other	None Detected

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Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200410
То :	Environmental Testing And Consulting Inc.	Client Project :	N/A
	38900 Huron River Drive	Date Collected :	12/15/2017
	Romulus,MI 48174	Date Received :	12/19/2017
Location :		Date Analvzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912		

Sample Description Appearance % Fibrous % Non-Fibrous % Asbestos 640822 Grey Linoleum 20% Cellulose 80% Other None Detected 09B Fibrous 4 S Floor Homogenous Analyst: Liliane Mason 640823 Brown Linoleum 2% Cellulose 98% Other None Detected 10A Non-Fibrous 4 N Floor Homogenous Analyst: Liliane Mason 640824 Brown Linoleum 2% Cellulose 98% Other None Detected 10B Non-Fibrous 4 S Floor Homogenous Analyst: Liliane Mason 640825 Grey Concrete Block 99% Other 1% Cellulose None Detected 11A Non-Fibrous N 7 Wall Homogenous Analyst: Liliane Mason 640826 Grey Concrete Block 1% Cellulose 99% Other None Detected 11B Non-Fibrous S 8 Wall Homogenous Analyst: Liliane Mason 640827 White Mortar 2% Cellulose 98% Other None Detected 12A Non-Fibrous N 7 Wall Homogenous Analyst: Liliane Mason 640828 White Mortar 2% Cellulose 98% Other None Detected 12B Non-Fibrous S 8 Wall Homogenous Analyst: Liliane Mason

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Polarized Light Microscopy Asbestos Analysis Report

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	Romulus,MI 48174	Date Received :	12/19/2017
ation :		Date Analyzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912	2410 / 11419204 1	,,

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
640829 13A 7 W Floor Analyst: Liliane Mason	Poured Cement	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
640830 13B 8 N Floor Analyst: Liliane Mason	Poured Cement	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
640831 14A 14 W Floor Analyst: Liliane Mason	Blown-In Insulation	Brown Fibrous Homogenous	60% Cellulose	40% Other	None Detected
640832 14B 14 E Floor Analyst: Liliane Mason	Blown-In Insulation	Brown Fibrous Homogenous	60% Cellulose	40% Other	None Detected
640833 15A 5 W Floor Analyst: Liliane Mason	Linoleum	Black Fibrous Homogenous	40% Cellulose	60% Other	None Detected
640834 15B 5 E Floor Analyst: Liliane Mason	Linoleum	Black Fibrous Homogenous	40% Cellulose	60% Other	None Detected
640835 16A E Ext Analyst: Liliane Mason	House Wrap	Tan Fibrous Homogenous	70% Cellulose	30% Other	None Detected

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	Romulus,MI 48174	Date Received :	12/19/2017
Location :		Date Analyzed :	12/20/2017
	1042 Dakin St, Lansing, MI 48912	-	

Sample Description Appearance % Fibrous % Non-Fibrous % Asbestos 640836 Tan House Wrap 70% Cellulose 30% Other None Detected 16B Fibrous S Ext Homogenous Analyst: Liliane Mason 640837 Black Shingle Siding 2% Cellulose 98% Other None Detected 17A Non-Fibrous E Ext Homogenous Layer-1 Analyst: Liliane Mason 640837 Tan Backing 70% Cellulose 30% Other None Detected 17A Fibrous E Ext Homogenous Layer-2 Analyst: Liliane Mason 640838 Black Shingle Siding 2% Cellulose 98% Other None Detected 17B Non-Fibrous S Ext Homogenous Layer-1 Analyst: Liliane Mason 640838 Tan Backing 70% Cellulose 30% Other None Detected 17B Fibrous S Ext Homogenous Layer-2 Analyst: Liliane Mason 640839 Black Asphalt Roof Shingle 2% Cellulose 98% Other None Detected 18A Non-Fibrous E Ext Roof Homogenous Analyst: Liliane Mason 640840 Black Asphalt Roof Shingle 2% Cellulose 98% Other None Detected 18B Non-Fibrous S Ext Roof Homogenous Analyst: Liliane Mason

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Environmental Testing Laboratories, Inc. 38900 Huron River Drive, Suite 200, Romulus, Michigan 48174, (734) 955-6600, Fax: (734) 955-6604

Polarized Light Microscopy Asbestos Analysis Report

		ETC Job : 200410	
To :	Environmental Testing And Consulting Inc.	Client Project : N/A	
	38900 Huron River Drive	Date Collected : 12/15/2017	
	Romulus,MI 48174	Date Received: 12/19/2017	
Location :	1042 Dakin St, Lansing, MI 48912	Date Analyzed : 12/20/2017	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
7	\mathcal{V}			1	$\bigcirc 1$



Lab Supervisor/Other Signatory

Aller Klan

Analyst: Liliane Mason

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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	MENTAL TESTING 38900 Huron Rive Romulus, Michigan (734) 955-6600 Fax: (734) 992-226	LABORATORIES, INC R DRIVE 448174	Bulk Asbestos Chain of Custody
	www.2eti.com		ETL Project #: 200410
Client:	ETA	Contact:	Project Location/name:
	EIC	Phone: (734) 955-6600	1042 Dakin
Address:	721 N. Capitol Ave. Suite 3,	Fax: (734) 955-6604	
	Lansing, MI 48906	E-mail: resulta@2elc.com	Client Project #: 200410
Please Prov	ride Results: DEmail D	□ Fax □ Verbal □ Other	Date Sampled: 12/15/17
T	Furnaround Time (TAT):	🗆 RUSH 🗆 Same Day 🗆 24 hr 🗔 4	48 hr 😾 Standard (3+ days) 🗆 Other
		PLM Instructions (Check all that apply)	
PLM EPA	600/R-93/116, 1993 (Star	ndard method)	Stop at 1st Positive -
Point Cour	nting: 400 Points* No		Clearly mark Homogenous Group
PLM Non-	-Building Material (Dust, W	√ipe, Tape)	□ Soil or Vermiculite Analysis *
Additional char	rge and turnaround may be re	equired	
Lab ID	Sample ID	Sample Location	Material Description
	OI ABCDE		
	02 ABC		
	U3 AB		-
	18 ÅB		

	Date	Time
Relinquished (Name/Organization): 2 orle 2 Stre	12/15/19	
Received (Name/ETL): BAttlany Walls	12/19/17	am/om
Stereoscopical Analysis (Name/ETL): Latington	12/19/17	
Sample Login (Name/ETL): Brittlany Walls	112/19/17	am/om
Analysis (Name/ETL):		
QA/QC Review (Name/ETL):	12100117	am/pm
Special Instructions: Please Point count any thing less than 30/2	Remarks	
if positive!	1	

Page ____ of ____

Destos Material Sampling Summany Shoot	
Surfacing materials	Revisio

Revision date 5/7/2015

Material: Date: 1/15/17 Material: Material: Material: Date: Material: Range Sample Location Material: Material: Range Sample Location Material: Material: Particles Material: Material: Particles Material: Material: Particles Material: Material: Particles Material: Material: N Particles	:# qo	200010		121				
Induction Fisher (r) (n) Service (n) Sample Location (n) Matching (n) Matching (n) Matching	1	21006	Building	101 :	+ Diffin	Date: 12/15	412	
Material: PluchLet N I N Under Material: PluchLet Material: M	erial	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg	Quantity	Dicture #
Areitain Areitain Areitain Areitain	-	Material: Pluster		-	1 1. 1. 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(Please List all Rooms)	Î	# 2002
Arey C. Z. K. Duy R. Hronohurt M. Haronhurt	_		2	: ec	5 W Way COUCSO			
D 7 Lu Luu! 804 E IL Lu Luu! 804 Imaterial: Natorial: 1 805		3101		S	2 E Wuy 80	Throughout	(BEE)	
Materia:					9 63 1411 80		2500	
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Material:			_					
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1000 - <5000 = 5 samples

<1000 SF = 3 samples

2 - ------

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

Revision date 5/7/2015 Picture # Quantity LF 01/5 4 Material Located throughout bldg (Please List all Rooms) Date: 12/ 20 808 80 0HOSC Sample Location 1Jall LJ AV 1Jall レイキン 113 u AL 01 0 1042 Sample Letter 0 P 9 Building: Friable (F) / Non-Friable (NF) 7 Duck burap white Material Description 200 1/10 Material: Material: Material: Description Material: Description Description Material: Description Description Material: Description Material: Description Job #: Material no. 20

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

3

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Picture # 2500 Quantity 087 REAL LE 528 144 53 144 611 55 540 180 5 throughout bidg (Please List all Rooms) EXL Material Located Hragh thraght 19/58 throught Date: 12 M M 24 4 820 9 C 5 833 0 S.) 8 835 S X 0408C R 89 To ox 80 30 83 00 CX (X 00 x Sample Location 11411 War H wa 1mm Fleor tleor FLOUL FLOOT Floor Floor flool 1001A Fler floor WAU 1)mg Wall 12aU 1mm 1Jacl DILLIN D 5 the N 2 100 5 PON S 2 52 3 2 2 10 112 5 44 12 5 2 11 20 AP~ M M 6 S M 5 I. 0 3 t 2101 Sample q 4 90 0 00 4 4 -4 9 9 A -8 7 7 4 A A -Building: Friable (F) / Non-Friable (NF) 2 2 2 2 2 2 2 1 2 2 Rluch tile Material Description while that are h where Flooring whe Brown Durywall -indewn indenni Con cret Lindleym tan Gver Corey most tor 21 12 tan Grew mud t 220 200410 Material: Material: Material: Description Description Description Description Material: Description Material: Description Material: Description Description Material: Description Material: Description Material: Material: Job #: CJ2 Material 60 SC 3 C ųõ. 50 B 2 2 5

2 samples

Revision date 5/7/2015

Asbestos Material Sampling Summary Sheet Miscellaneous materials

Picture # Quantity 220 1821 1826 520 51 ã Material Located throughout bldg (Please List all Rooms) 2 ert ext もとし 5 78 19 Date: 833 C 832 838 831 835 839 83 33(280m J 83. 83 X PCAL Sample Location Ross Fleer flou/ flur flur r Flow Aleur DAKIN アキ e kt ちょう CUL PA4 CAL 2 12 3 3 Z 11 SU 6 1 14 S 5 17 50 61 (0) Sample Letter 7 -P --7 A -× 9 8 4 4 -A 00 4 20 4 9 Building: Friable (F) / Non-Friable (NF) 2 2 2 1 > 2 AShork Run Shingle Saling Cement Green WIGH UPM Material Description Bluun IN incleam Shinale Blut Gran tan Bluch Pouced Bluck House 20 UNIN Material: Material: Material: Material: Material: Description Description Description Material: Description Material: Description Material: Description Material: Description Description Description Description Material: Job #: Material no. 3 2 H S 17 8

2 samples

5

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.

Wode Wiltz

Prepared by: _

Wade Wiltse, Michigan Certified Asbestos Inspector (s) Michigan Accreditation Number (s) A-51051