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
www.LansingMi.gov

Office of Building Safety

# Unsafe Structures Notice

February 28, 2018

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

**Regarding:** 630 South Francis Street
**Parcel:** #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 Steve.Swan@lansingmi.gov or visit our City web site at cityoflansing.com

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 Information

| | | | |
|---|---|---|---|
| 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**

ETC Job #: 199844

# Pre-Demolition Environmental Inspection Summary Report

| | |
|---|---|
| Parcel: | 33-01-01-14-380-171 |
| House No. | 630 S Francis Ave, Lansing, 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 |

Pre-Demolition Environmental Inspection Summary Report

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

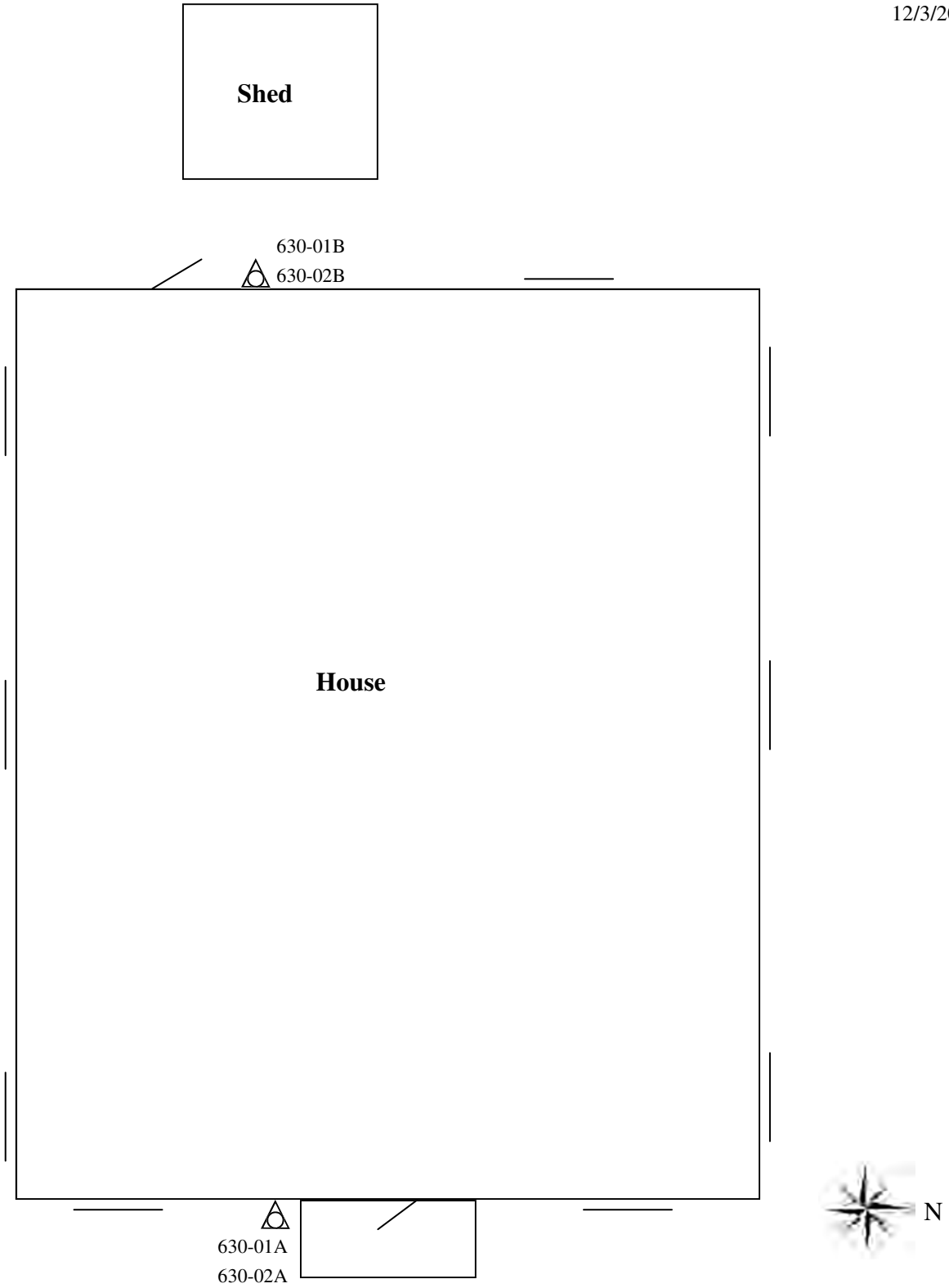
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

**Exterior**

33-01-01-14-380-171
630 S Francis Ave, Lansing, MI 48912
12/3/2017




△ 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
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

Back 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

# Environmental Testing Laboratories, Inc.

38900 Huron River Drive, Suite 200
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604


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

**Project Location :**
630 S Francis Ave, Lansing MI

**Attention :**

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

**ETC Job :** 199844

**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:**

Quality Assurance Coordinator

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

**Location :**
630 S Francis Ave, Lansing MI

**ETC Job :** 199844
**Client Project :** 33-01-01-14-380-171
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

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

**ENVIRONMENTAL TESTING LABORATORIES, INC**
38900 Huron River Drive
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 992-2261
www.2etl.com

# Bulk Asbestos Chain of Custody

ETL Project #: 199844

| | | |
|---|---|---|
| **Client:** ETC | **Contact:** Liv Hagerman | **Project Location/name:** 6305 Francis Lansing MI |
| **Address:** 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | **Phone:** (734) 955-6600 | |
| | **Fax:** (734) 955-6604 | |
| | **E-mail:** results@2etc.com | **Client Project #:** |
| **Please Provide Results:** ☑ Email ☐ Fax ☐ Verbal ☐ Other _____ | | **Date Sampled:** |

**Turnaround Time (TAT):** ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☑ Standard (3+ days) ☐ Other _____

**PLM Instructions**
(Check all that apply)

| | |
|---|---|
| ☑ PLM EPA600/R-93/116, 1993 (Standard method) | ☑ Stop at 1st Positive - *Clearly mark Homogenous Group* |
| ☐ Point Counting: 400 Points* | |
| ☐ 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 |
|---|---|---|---|
| | 01 A-B | | |
| | \| | Please See Attached Sheets | |
| | \| | | |
| | \| | | |
| | 02 A-B | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | Date | Time |
|---|---|---|---|
| Relinquished (Name/Organization): | Jake Gleason | 12/3/17 | 5:00 am/pm |
| Received (Name/ETL): | | 12/5/17 | am/pm |
| Stereoscopical Analysis (Name/ETL): | | 12/6/17 | am/pm |
| Sample Login (Name/ETL): | | 12/5/17 | am/pm |
| Analysis (Name/ETL): | | 12/6/17 | am/pm |
| QA/QC Review (Name/ETL): | | 12/7/17 | am/pm |

| Special Instructions: | Remarks |
|---|---|
| | |

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

| Job #: | 1aa844 | Building: | 630 S. Francis, Lansing MI | Date: | 12/3/17 | | |
|---|---|---|---|---|---|---|---|
| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
| 1 | Material: House wrap<br>Description black | NF | A | E side above entry | ext | 1000 | 934<br>936<br>937 |
| | | | B | W side above entry | | | |
| 2 | Material: Asphalt shingle<br>Description black | NF | A | E side above entry | ext | 1100 | 938<br>939 |
| | | | B | W side above entry | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | 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.**

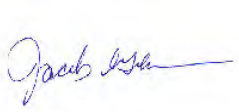
**Laboratory Analysis / Results**

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: _____

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**

ETC Job #: 199860

# Pre-Demolition Environmental Inspection Summary Report

| | |
|---|---|
| Parcel: | 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 |

Pre-Demolition Environmental Inspection Summary Report

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

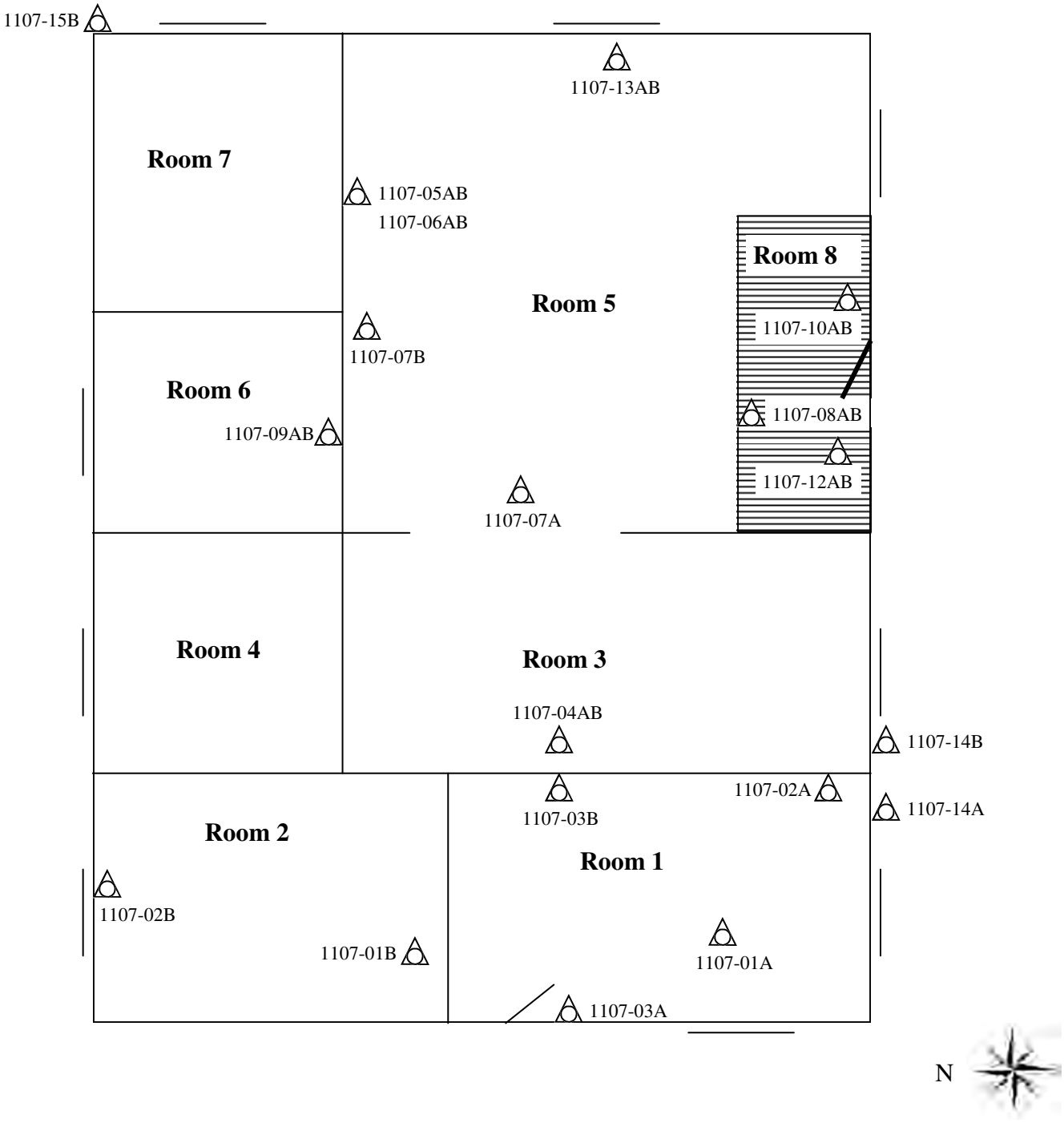
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

**1st floor**

33-01-01-22-279-191
1107 Regent St, Lansing, MI 48912
11/28/2017



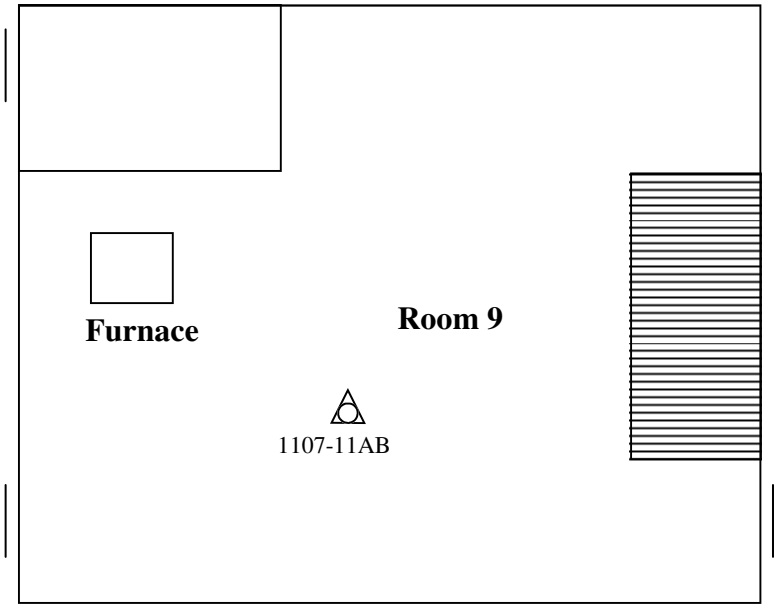

Sample Location

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.

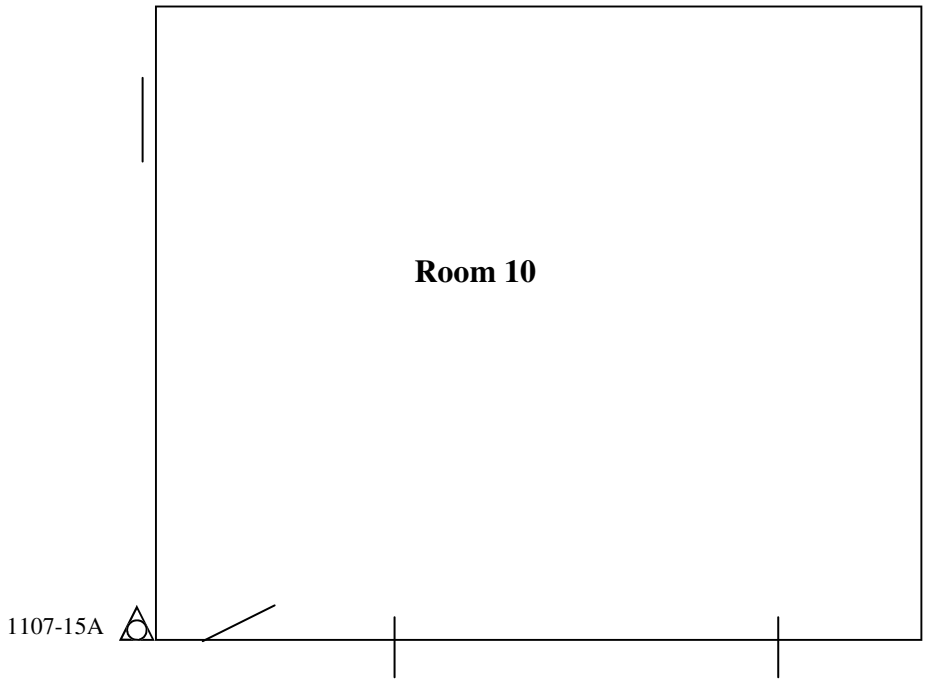
Ingham County Land Bank
199860

**Basement**

33-01-01-22-279-191
1107 Regent St, Lansing, MI 48912
11/28/2017




**Garage**




N

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
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

Back 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

Tire

# 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

# Environmental Testing Laboratories, Inc.

38900 Huron River Drive, Suite 200
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604


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

**Project Location :** 1107 Regent St, Lansing, MI

**Attention :**

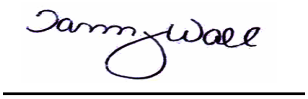
**Client Project :** 33-01-01-22-279-191

**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 |

| 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:** 

Quality Assurance Coordinator

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1107 Regent St, Lansing, MI

**ETC Job :** 199860
**Client Project :** 33-01-01-22-279-191
**Date Collected :** 11/28/2017
**Date Received :** 12/01/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

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## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1107 Regent St, Lansing, MI

**ETC Job :** 199860
**Client Project :** 33-01-01-22-279-191
**Date Collected :** 11/28/2017
**Date Received :** 12/01/2017
**Date Analyzed :** 12/07/2017

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|---|---|---|---|
| 633596<br>03B<br>E Entry RM 1<br>Analyst: Ian McCusker | 12x12 Peel & Stick | Green<br>Non-Fibrous<br>Homogenous | 2% Cellulose | 98% Other | None Detected |
| 633597<br>04A<br>W Entry RM 3<br>Analyst: Ian McCusker | Rubber Membrane | Black<br>Non-Fibrous<br>Homogenous | 30% Cellulose | 70% Other | None Detected |
| 633598<br>04B<br>W Entry RM 3<br>Analyst: Ian McCusker | Rubber Membrane | Black<br>Non-Fibrous<br>Homogenous | 18% Cellulose | 82% Other | None Detected |
| 633599<br>05A<br>N Entry RM 5<br>Analyst: Ian McCusker | 9x9 Floor Tile | Red<br>Non-Fibrous<br>Homogenous | 1% Cellulose | 97% Other | 2% Chrysotile |
| 633600<br>05B<br>N Entry RM 5<br>Analyst: Ian McCusker | | Not Analyzed | | | |
| 633601<br>06A<br>N Entry RM 5<br>Analyst: Ian McCusker | Mastic | Black<br>Non-Fibrous<br>Homogenous | 7% Cellulose | 93% Other | None Detected |
| 633602<br>06B<br>N Entry RM 5<br>Analyst: Ian McCusker | Mastic | Black<br>Non-Fibrous<br>Homogenous | 11% Cellulose | 89% Other | None Detected |

NVLAP LAB CODE 201028-0

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38900 Huron River Drive,
Suite 200, Romulus, Michigan 48174,
(734) 955-6600, Fax: (734) 955-6604

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1107 Regent St, Lansing, MI

**ETC Job :** 199860
**Client Project :** 33-01-01-22-279-191
**Date Collected :** 11/28/2017
**Date Received :** 12/01/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

Environmental Testing Laboratories, Inc.
38900 Huron River Drive,
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(734) 955-6600, Fax: (734) 955-6604

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1107 Regent St, Lansing, MI

**ETC Job :** 199860
**Client Project :** 33-01-01-22-279-191
**Date Collected :** 11/28/2017
**Date Received :** 12/01/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

**Location :**
1107 Regent St, Lansing, MI

**ETC Job :** 199860
**Client Project :** 33-01-01-22-279-191
**Date Collected :** 11/28/2017
**Date Received :** 12/01/2017
**Date Analyzed :** 12/07/2017

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|---|---|---|---|
| 633617<br>14A<br>S Middle Wall<br>Analyst: Ian McCusker | House Wrap | Black<br>Fibrous<br>Homogenous | 70% Cellulose | 30% Other | None Detected |
| 633618<br>14B<br>S Middle Wall<br>Analyst: Ian McCusker | House Wrap | Black<br>Fibrous<br>Homogenous | 63% Cellulose | 37% Other | None Detected |
| 633619<br>15A<br>NW Corner RM 10<br>Analyst: Ian McCusker | Asphalt Shingle | Black<br>Non-Fibrous<br>Homogenous | 5% Cellulose | 95% Other | None Detected |
| 633620<br>15B<br>NE Corner House<br>Analyst: Ian McCusker | Asphalt Shingle | Black<br>Non-Fibrous<br>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
www.2etl.com

# Bulk Asbestos Chain of Custody

ETL Project #: 199800

| | | |
|---|---|---|
| **Client:** ETC | **Contact:** Liv Hagerman | **Project Location/name:** 1107 Regent, Lansing MI |
| **Address:** 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | **Phone:** (734) 955-6600 | |
| | **Fax:** (734) 955-6604 | |
| | **E-mail:** results@2etl.com | **Client Project #:** 199860 |
| **Please Provide Results:** ☑ Email ☐ Fax ☐ Verbal ☐ Other _____ | | **Date Sampled:** 11/28/17 |

**Turnaround Time (TAT):** ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☑ Standard (3+ days) ☐ Other _____

**PLM Instructions**
(Check all that apply)

| | |
|---|---|
| ☑ PLM EPA600/R-93/116, 1993 (Standard method) | ☐ Stop at 1st Positive - Clearly mark Homogenous Group |
| ☐ Point Counting: 400 Points* | |
| ☐ 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 |
|---|---|---|---|
| | 01 AB | | |
| | \| | Please See Attached | Sheets |
| | | | |
| | | | |
| | | | |
| | 15 AB | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | Date | Time |
|---|---|---|---|---|
| Relinquished (Name/Organization): | Jake Glaser | | 11/28/17 | 5:00 am/pm |
| Received (Name/ETL): | | | 12/1/17 | am/pm |
| Stereoscopical Analysis (Name/ETL): | | Pam Wroblewski | 12/4/17 | am/pm |
| Sample Login (Name/ETL): | | | 12/4/17 | am/pm |
| Analysis (Name/ETL): | | Pam Wroblewski | 12/4/17 | am/pm |
| QA/QC Review (Name/ETL): | | | 12/7/17 | am/pm |

| Special Instructions: | Remarks |
|---|---|
| | |

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

**Job #:** 1a98600 **Building:** 1107 Regent, Lansing MI **Date:** 11/28/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 1 | Material: Drywall<br>Description white | F | A | center ceiling rm 1 591 | throughout | 3100 sf | |
| | | | B | W wall entry rm 2 592 | | | |
| 2 | Material: mud & tape<br>Description white | F | A | SE corner rm 1 593 | throughout | 3100 sf | |
| | | | B | N wall rm 2 594 | | | |
| 3 | Material: 12x12 P&S<br>Description green | NF | A | W entry rm 1 595 | 1 | 100 sf | |
| | | | B | E entry rm 1 596 | | | |
| 4 | Material: rubber pad<br>Description black | Nf | A | W entry rm 3 597 | 3, 4, 7 | 300 sf | |
| | | | B | ↓ 598 | | | |
| 5 | Material: ~~9x9~~ 9x9 tile<br>Description red | Nf | A | N entry rm 5 599 | 5 | 225 sf | |
| | | | B | ↓ 600 | | | |
| 6 | Material: mastic (under 5)<br>Description black | F | A | ↓ 601 | 5 | 225 sf | |
| | | | B | ↓ 602 | | | |
| 7 | Material: linoleum<br>Description yellow & red | Nf | A | West entry rm 5 603 | 5 | 225 sf | |
| | | | B | N wall rm 5 604 | | | |
| 8 | Material: Blown in insulation<br>Description grey | Nf | A | S ceiling rm 8 605 | throughout | 3100 sf | |
| | | | B | ↓ 606 | | | |
| 9 | Material: floor leveler<br>Description grey | Nf | A | entry rm 6 607 | 6 | 75 sf | |
| | | | B | ↓ 608 | | | |
| 10 | Material: 12x12 P&S<br>Description gold | N | A | middle rm 8 609 | 8 | 10 sf | |
| | | | B | ↓ 610 | | | |

2 samples

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

**Job #:** 19A8600 **Building:** 1107 Regent, Lansing MI **Date:** 11/28/19

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 11 | Material: Poured concrete<br>Description grey | Nf | A<br>B | middle, rm 9 6611<br>6612 | 9 | 480 sf | |
| 12 | Material: cinder block mortar<br>Description grey | Nf | A<br>B | S entry, rm 8 6613<br>6614 | 8, 9 | 500 sf | |
| 13 | Material: sink undercoat<br>Description grey | f | A<br>B | E wall, rm 5 6615<br>6616 | 5 | 4 sf | |
| 14 | Material: house wrap<br>Description black | f | A<br>B | S middle, wall 6617<br>6618 | ext | 1500 sf | |
| 15 | Material: asphalt shingle<br>Description black | f | A<br>B | NW corner rm 10 6619<br>NE corner house 6620 | ext | 2000 sf | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>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.**

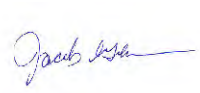
**Laboratory Analysis / Results**

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: _____

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**

ETC Job #: 199858

# Pre-Demolition Environmental Inspection Summary Report

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

## TABLE 1

### HAZARDOUS MATERIALS

| Material Description | Quantity & Units | Location |
|---|---|---|
| None observed above household quantities | | |

### TIRE(s) REPORT

| Material | Quantity & Units | Location |
|---|---|---|
| None observed above household quantities | | |

Pre-Demolition Environmental Inspection Summary Report

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

## TABLE 2
## SUSPECT ASBESTOS CONTAINING MATERIALS

| Material # | Friable (F) / Non-Friable (NF) | Material Description | Material Location | Estimated Quantity | ACM Present |
|---|---|---|---|---|---|
| **1** | **NF** | **Window glaze, white** | **Exterior (windows)** | **8 windows** | **YES** |
| 2 | NF | House wrap, tan | Exterior (house) | 3432 SF | 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 |
| 6 | F | Texture ceiling, white | Room 9 | 144 SF | No |
| 7 | NF | Plaster, grey | Room 7-9, 11-13 | 3500 SF | No |
| **8** | **F** | **Duct wrap, brown** | **Throughout** | **325 SF** | **YES** |
| 9 | F | Blown in insulation, grey | Throughout | 5900 SF | No |
| 10 | F | Drywall, white | Room 1-6, 12 | 3900 SF | No |
| 11 | F | 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 |

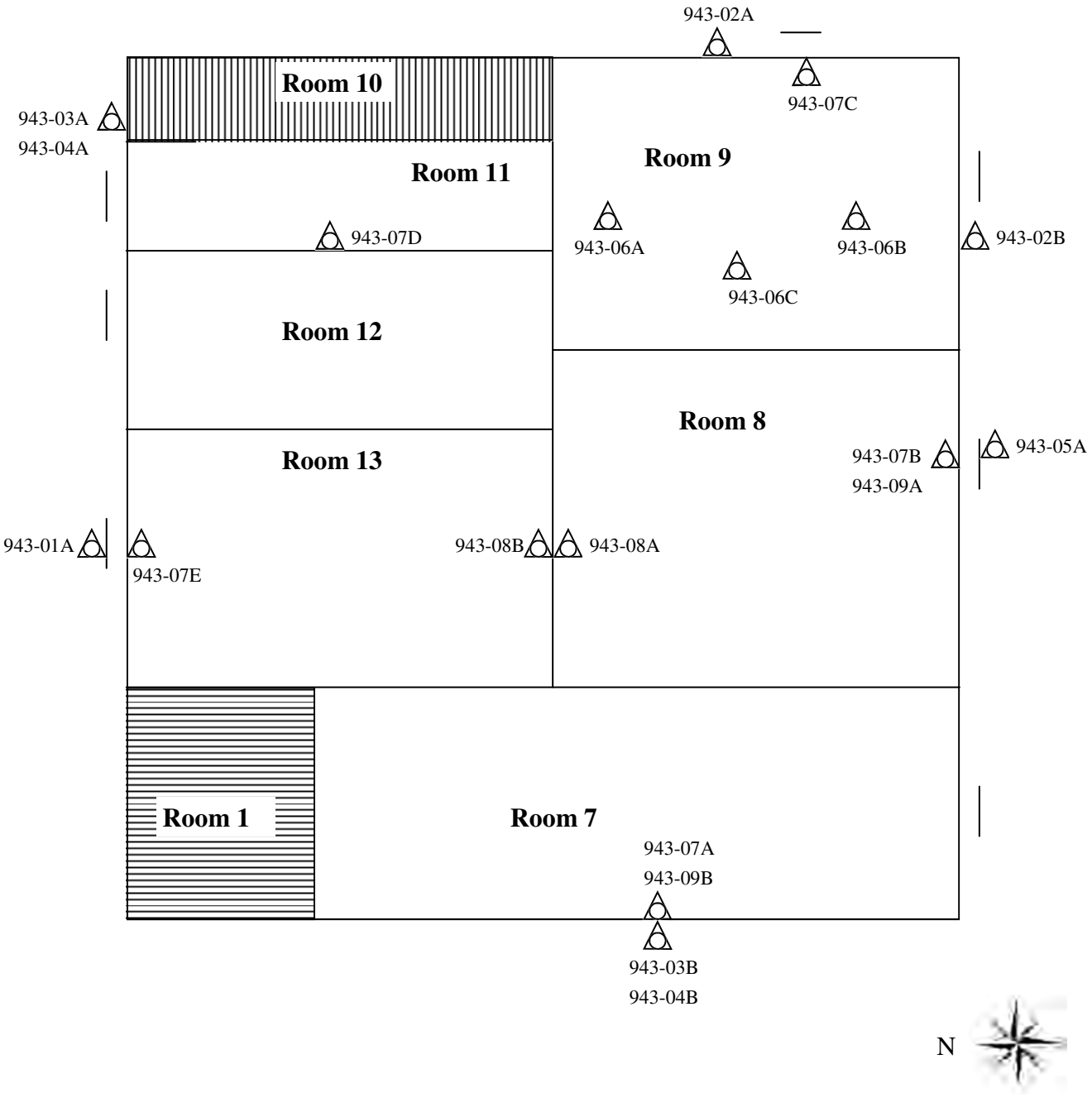
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

**1st floor**

33-01-01-22-226-331
943 MCCullough St, Lansing, MI, 48912
12/22/2017 & 2/15/2018



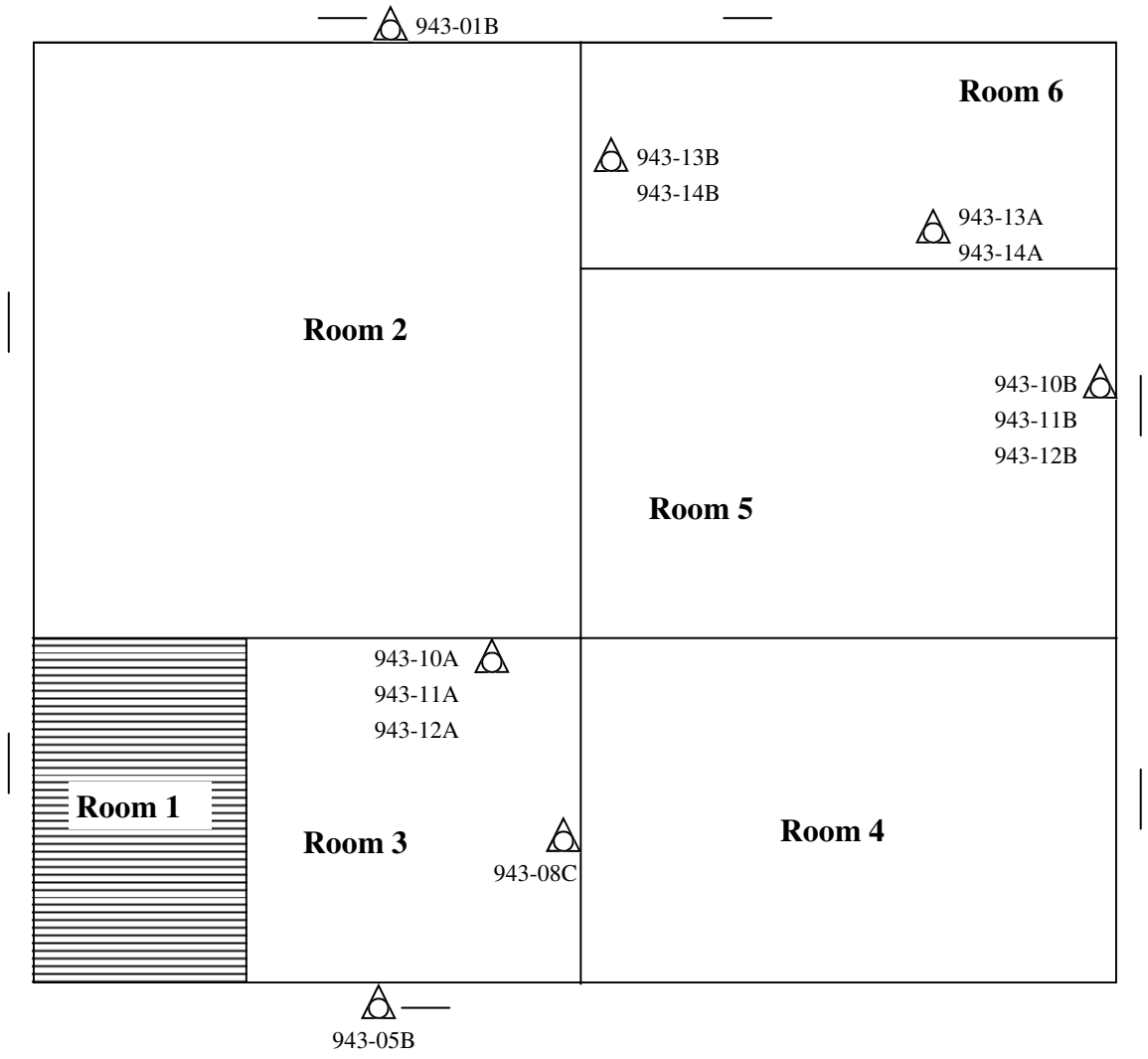

Sample Location

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

**2nd floor**

33-01-01-22-226-331
943 MCCullough St, Lansing, MI, 48912
12/22/2017 & 2/15/2018




N

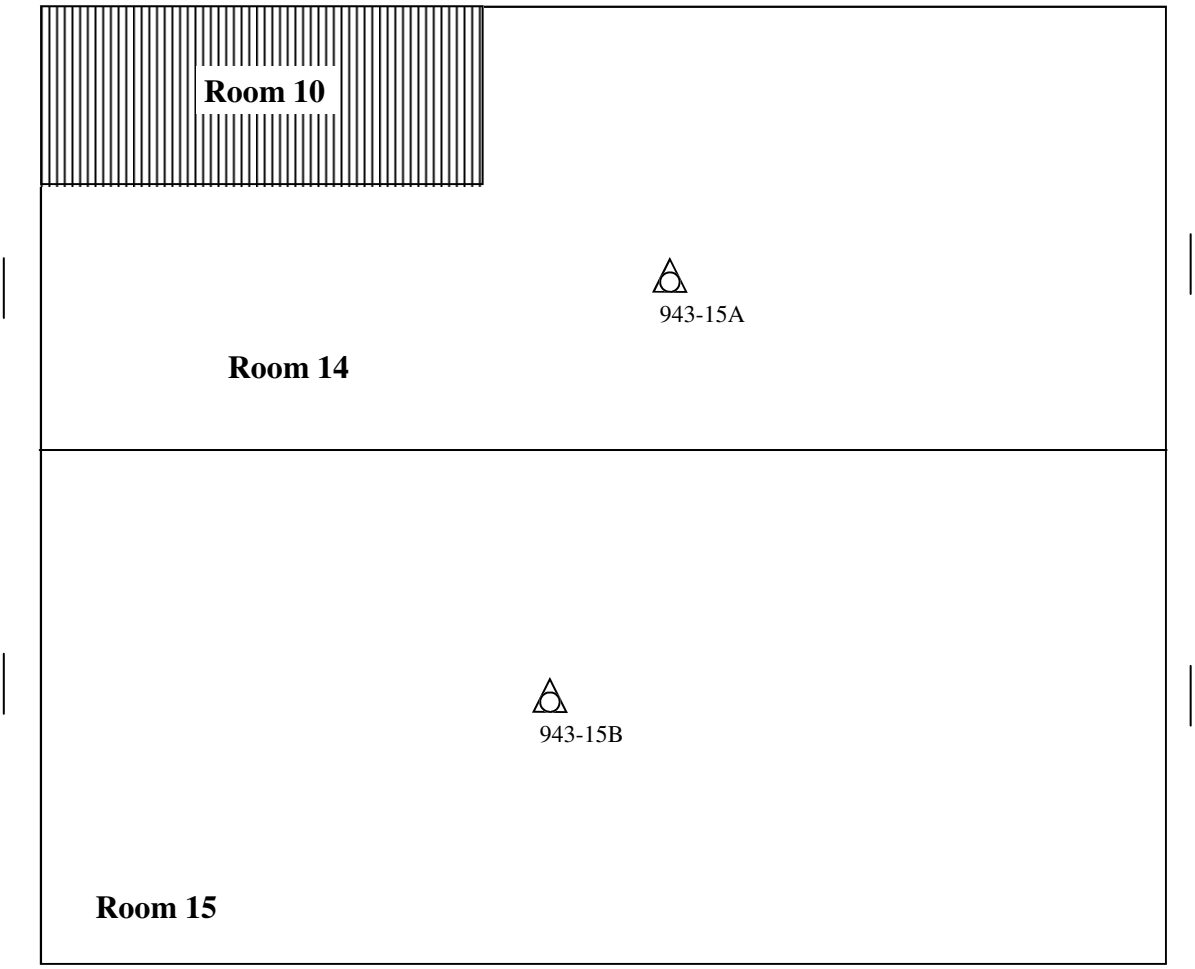
Sample Location

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

**Basement**

33-01-01-22-226-331
943 MCCullough St, Lansing, MI, 48912
12/22/2017 & 2/15/2018




N

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

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

Back 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

**ENVIRONMENTAL TESTING LABORATORIES, INC.**

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

| Login # | Sample ID | Work Requested | Completed |
|---|---|---|---|
| 643374 | 01A | Asbestos Analysis | 12/26/2017 |
| 643375 | 01B | Asbestos Analysis | 12/26/2017 |
| 643376 | 02A | Asbestos Analysis | 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 |

| 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:** 

Quality Assurance Coordinator

NVLAP LAB CODE 201028-0

# Certificate of Analysis

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

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 12/22/2017
**Date Received :** 12/26/2017
**Date Analyzed :** 12/26/2017

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

NVLAP LAB CODE 201028-0

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 12/22/2017
**Date Received :** 12/26/2017
**Date Analyzed :** 12/26/2017

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

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 02/15/2018
**Date Received :** 02/16/2018
**Date Analyzed :** 02/19/2018

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

NVLAP LAB CODE 201028-0

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 02/15/2018
**Date Received :** 02/16/2018
**Date Analyzed :** 02/19/2018

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

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 02/15/2018
**Date Received :** 02/16/2018
**Date Analyzed :** 02/19/2018

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

NVLAP LAB CODE 201028-0

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 02/15/2018
**Date Received :** 02/16/2018
**Date Analyzed :** 02/19/2018

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

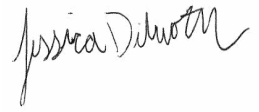
**Location :**
943 McCullough St, Lansing, MI

**ETC Job :** 199858
**Client Project :** 33-01-01-22-226-331
**Date Collected :** 02/15/2018
**Date Received :** 02/16/2018
**Date Analyzed :** 02/19/2018

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|---|---|---|---|

Lab Supervisor/Other Signatory

Analyst: Dave Cousino



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

# Bulk Asbestos Chain of Custody

ETL Project #: 199858

| | | |
|---|---|---|
| **Client:** ETC | **Contact:** | **Project Location/name:** 943 McCullough St |
| | **Phone:** (734) 955-6600 | |
| **Address:** 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | **Fax:** (734) 955-6604 | |
| | **E-mail:** results@2etc.com | **Client Project #:** |
| **Please Provide Results:** ☐ Email ☐ Fax ☐ Verbal ☐ Other _____ | | **Date Sampled:** 12/22/17 |

**Turnaround Time (TAT):** ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☑ Standard (3+ days) ☐ Other _____

| **PLM Instructions** (Check all that apply) 3 days | |
|---|---|
| ☒ PLM EPA600/R-93/116, 1993 (Standard method) | ☑ Stop at 1st Positive - *Clearly mark Homogenous Group* |
| ☐ Point Counting: 400 Points* | |
| ☐ 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 |
|---|---|---|---|
| | 01A-B | | |
| | ↓ | | |
| | 05A-B | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | Date | Time |
|---|---|---|---|
| Relinquished (Name/Organization): | [illegible] | 12/22/17 | 5:30 am/pm |
| Received (Name/ETL): | Brittany Walls | 12/26/17 | am/pm |
| Stereoscopical Analysis (Name/ETL): | Jessica Dilutin | 12/26/17 | 235 am/pm |
| Sample Login (Name/ETL): | Brittany Walls | 12/26/17 | am/pm |
| Analysis (Name/ETL): | Jessica Dilutin | 12/26/17 | 235 am/pm |
| QA/QC Review (Name/ETL): | Anisa Ismail gf | 12.26.17 | 2:46 am/pm |

| **Special Instructions:** | **Remarks** |
|---|---|
| please point count 2% or less | |

Page ___ of ___

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

**Job #:** 194858 **Building:** 943 McCullough St **Date:** 12/22/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 01 | Material: Window glaze<br>Description white | NF | A | North window ext 374 | ext window house | 8 units | 12 |
| | | | B | east window ext 375 | | | |
| 02 | Material: House wrap<br>Description tan | Nf | A | east ext house 376 | ext house | 3432 SF | 8 |
| | | | B | south ext house 377 | | | |
| 03 | Material: Shingle<br>Description grey | Nf | A | North ext roof 378 | ext house | 1008 SF | 10,7 |
| | | | B | west ext roof 379 | | | |
| 04 | Material: felt paper<br>Description black | Nf | A | Same as 03A 380 | ext house | 1008 SF | 11 |
| | | | B | Same as 03B 381 | | | |
| 05 | Material: Window caulk<br>Description white | Nf | A | Window South ext 382 | ext house | 8 units | 12 |
| | | | B | window west ext 383 | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |

2 samples

**ENVIRONMENTAL TESTING LABORATORIES, INC**
38900 HURON RIVER DRIVE
ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 992-2261
www.2etl.com

# Bulk Asbestos Chain of Custody

ETL Project #: 199858

| | | |
|---|---|---|
| **Client:** ETC | **Contact:** Liv Hagerman | **Project Location/name:** 943 McCollough, Lansing MI |
| | **Phone:** (734) 955-6600 | |
| **Address:** 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | **Fax:** (734) 955-6604 | |
| | **E-mail:** results@2etl.com | **Client Project #:** 199858 |
| **Please Provide Results:** ☐ Email ☐ Fax ☐ Verbal ☐ Other _____ | | **Date Sampled:** 2/15/18 |

**Turnaround Time (TAT):** ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☒ Standard (3+ days) ☐ Other _____ 3 days

| **PLM Instructions** (Check all that apply) | |
|---|---|
| ☒ PLM EPA600/R-93/116, 1993 (Standard method) | ☒ Stop at 1st Positive - *Clearly mark Homogenous Group* |
| ☐ Point Counting: 400 Points* | |
| ☐ 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 | | |
| | 09A-B | | |
| | ↓ | | |
| | | | |
| | | | |
| | 15A-B | | |
| | | | |
| | | | |
| | | | |

| | | Date | Time |
|---|---|---|---|
| Relinquished (Name/Organization): | Jake Gleason ETC Group | 2/15/18 | 5:00 am/pm |
| Received (Name/ETL): | | 2/16/18 | 11:40 am/pm |
| Stereoscopical Analysis (Name/ETL): | David Cousins | 2/16/18 | 2:00 am/pm |
| Sample Login (Name/ETL): | Brittany Walls | 2/16/18 | 12:23 am/pm |
| Analysis (Name/ETL): | David Cousins Anisa Usmanaj | 2/16/18 | 2:00 am/pm |
| QA/QC Review (Name/ETL): | Anisa Usmanaj | 2.19.18 | 11:35 am/pm |

| **Special Instructions:** | **Remarks** |
|---|---|
| | |

Page ____ of ____

# Asbestos Material Sampling Summary Sheet
## Surfacing materials

Revision date 5/7/2015

**Job #:** 199858 **Building:** 943 McCullough, Lansing **Date:** 2/15/18

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 6 | Material: ~~Skim Coat~~ White textured ceiling | f | A | N ceiling rm 9 6087609 | | 144 | |
| | | | B | S ceiling rm 9 610 | | | |
| | | | C | middle ceiling rm 9 611 9 | | | |
| 7 | Material: Plaster Blue grey | Nf | A | rm 7 W wall 612 | 7-9 | 3500 | |
| | | | B | rm 8 S wall 613 | | | |
| | | | C | rm 9 E wall 614 | 11-13 | | |
| | | | D | rm 11 N wall 615 | | | |
| | | | E | rm 13 N wall 616 | | | |
| | Material: | | | | | | |

<1000 SF = 3 samples

1000 - <5000 = 5 samples

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

Revision date 5/7/2015

Job #: 199858 | Building: 943 McCullough, Lansing | Date: 2/15/18

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 8 | Material: Duct wrap<br>Description Brown | f | A | rm 8 vent 687617 | throughout | 325 | |
| | | | B | rm 13 vent 618 | | | |
| | | | C | rm 3 vent 619 | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |

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

**Job #:** 199858 **Building:** 943 McCullough Lansing **Date:** 2/15/18

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 9 | Material: Blown-in-insulation<br>Description grey | f | A | rm 8 S wall 687620 | through out | 5900 | |
| | | | B | rm 7 W wall 621 | | | |
| 10 | Material: Drywall<br>Description white | f | A | rm 3 W wall 622 | 1-6,12 | 3900 | |
| | | | B | rm 5 S wall 623 | | | |
| 11 | Material: mud<br>Description white | f | A | rm 3 W wall 624 | 1-6,12 | 3900 | |
| | | | B | rm 5 S wall 625 | | | |
| 12 | Material: tape<br>Description white | f | A | rm 3 W wall 626 | 1-6,12 | 3900 | |
| | | | B | rm 5 S wall 627 | | | |
| 13 | Material: 12x12 tile<br>Description white | Nf | A | rm 6 entry 628 | 6 | 54 | |
| | | | B | rm 6 N wall 629 | | | |
| 14 | Material: mastic (under 8)<br>Description yellow | Nf | A | rm 6 entry 630 | 6 | 54 | |
| | | | B | rm 6 N wall 631 | | | |
| 15 | Material: poured concrete<br>Description grey | Nf | A | rm 14 middle 632 | 14,15 | 1205 | |
| | | | B | rm 15 middle 633 | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | 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:  _____

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**

ETC Job #: 199857

# 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**

| Material | Quantity & Units | Location |
|---|---|---|
| None observed above household quantities | | |

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 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 yellow** | **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 |

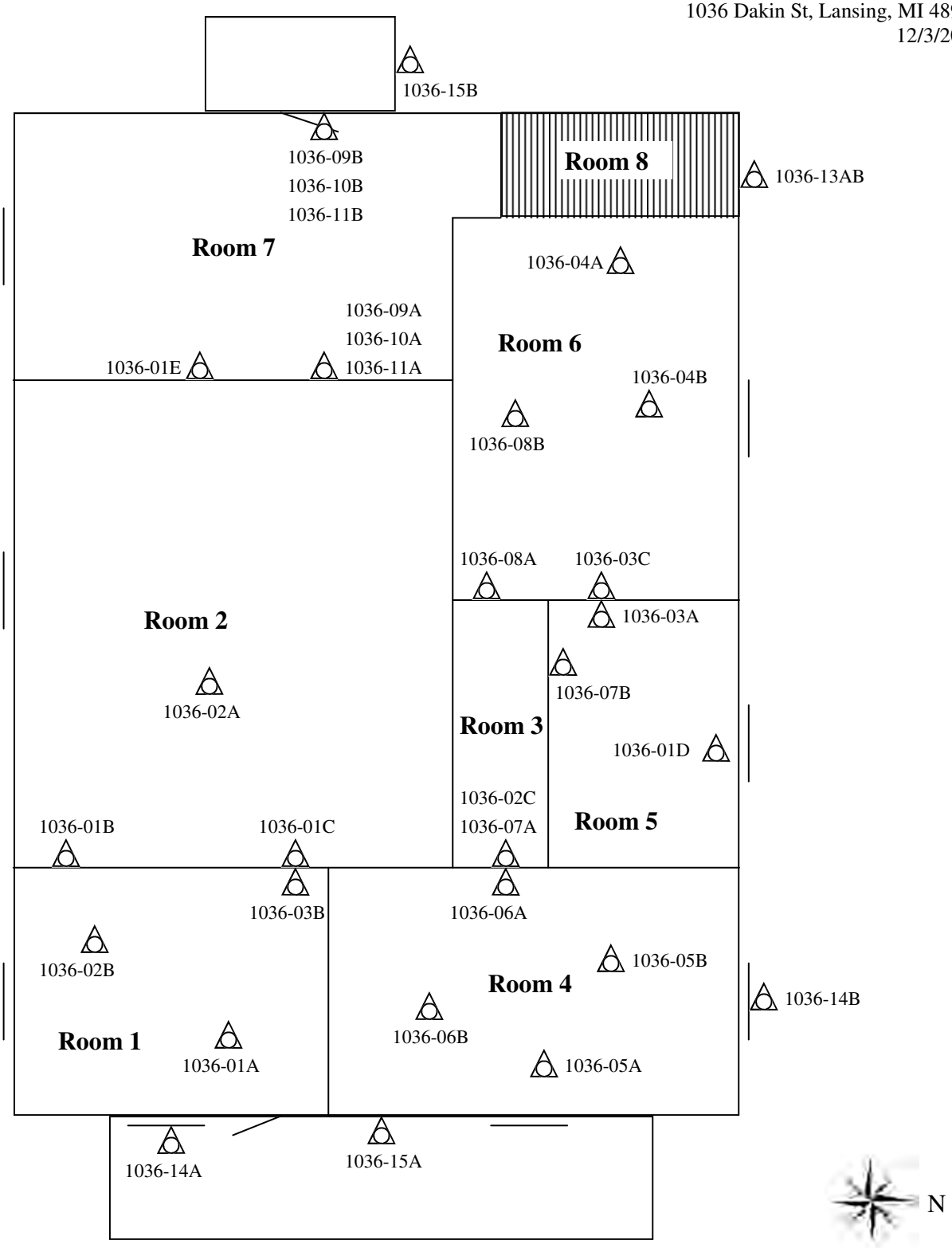
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

**1st floor**

33-01-01-22-206-161
1036 Dakin St, Lansing, MI 48912
12/3/2017



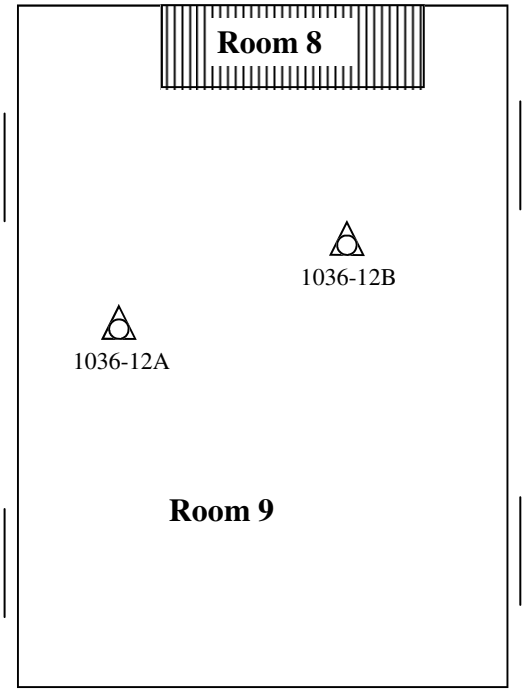

Sample Location

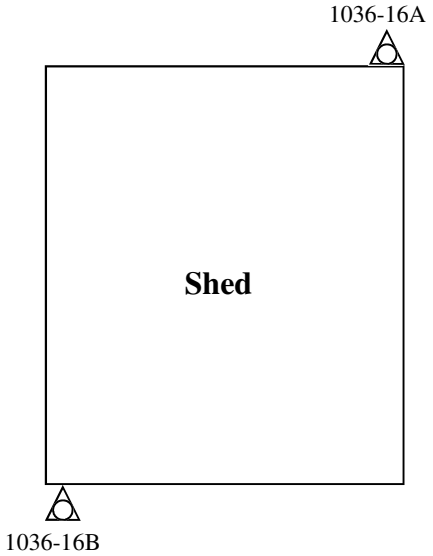
Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.

Ingham County Land Bank
199857

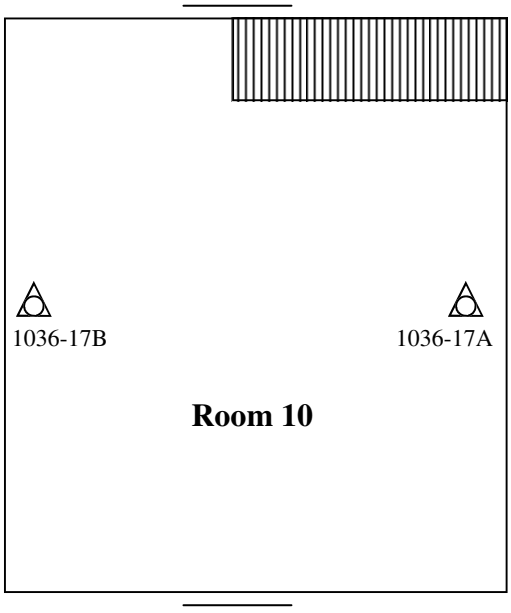
**Basement**

33-01-01-22-206-161
1036 Dakin St, Lansing, MI 48912
12/3/2017




**Attic**





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
199857

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

Back 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 |

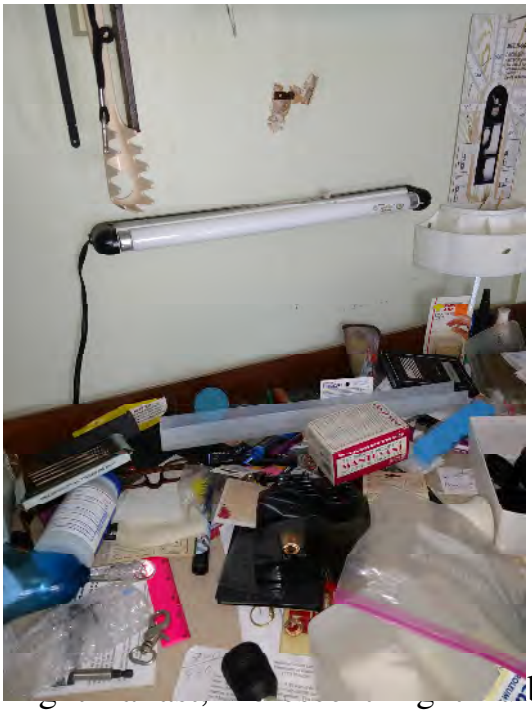
Shed

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

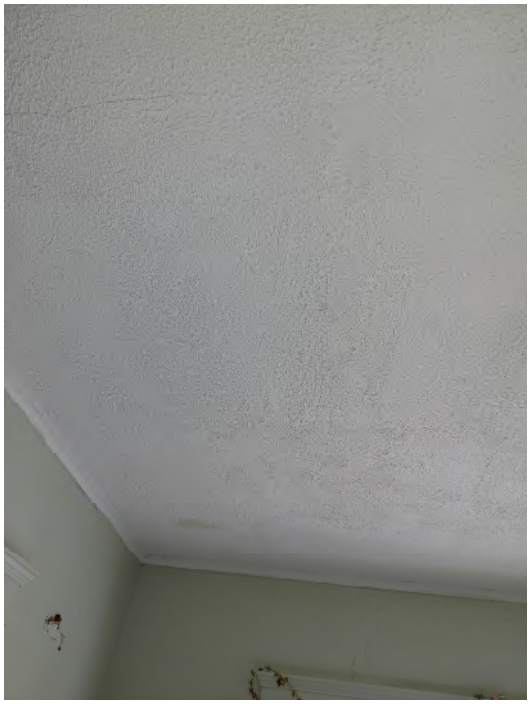


bs

Smoke Detector

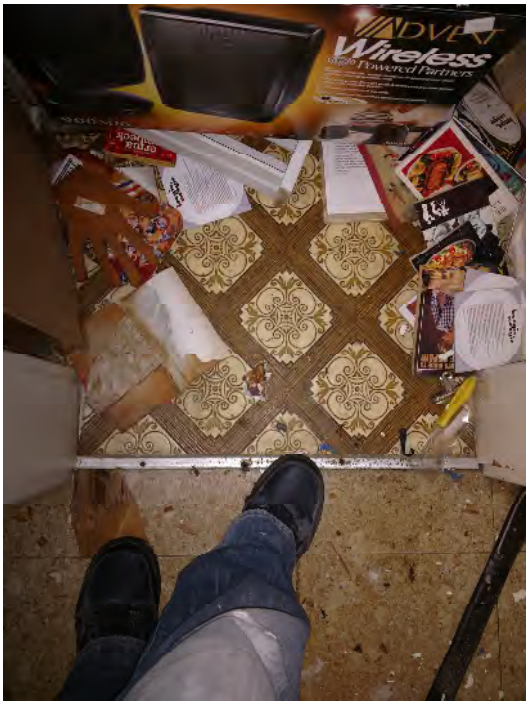
## Representative Pictures of Asbestos Containing Materials

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



Plaster

Duct wrap

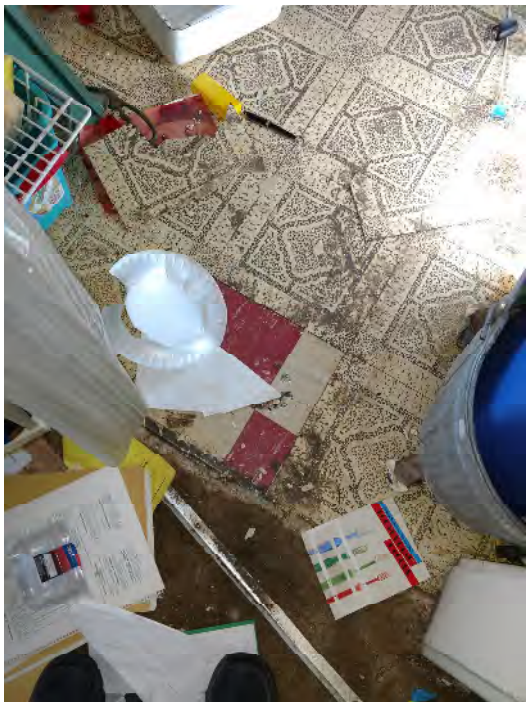



Linoleum, brown/yellow


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

# Environmental Testing Laboratories, Inc.

38900 Huron River Drive, Suite 200
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604


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

**Project Location :** 1036 Dakin St, Lansing, MI

**Attention :**

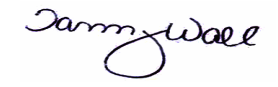
**Client Project :** 33-01-01-22-206-161

**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 |

| 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:** 

Quality Assurance Coordinator

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

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

Lab Supervisor/Other Signatory

Analyst: Daniel Agnew

NVLAP LAB CODE 201028-0

# Certificate of Analysis

**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

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

**Location :**
1036 Dakin St, Lansing, MI

**ETC Job :** 199857
**Client Project :** 33-01-01-22-206-161
**Date Collected :** 12/03/2017
**Date Received :** 12/05/2017
**Date Analyzed :** 12/07/2017

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|---|---|---|---|

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

**ENVIRONMENTAL TESTING LABORATORIES, INC**
38900 HURON RIVER DRIVE
ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 992-2261
www.2etl.com

# Bulk Asbestos Chain of Custody

ETL Project #: 199857

| | | |
|---|---|---|
| Client: ETC | Contact: Liv Hagerman | Project Location/name: 1036 Daniel St Lansing MI |
| Address: 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | Phone: (734) 955-6600 | |
| | Fax: (734) 955-6504 | |
| | E-mail: results@2etl.com | Client Project #: 199857 |
| Please Provide Results: ☑ Email ☐ Fax ☐ Verbal ☐ Other | | Date Sampled: 12/3/17 |

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

**PLM Instructions**
(Check all that apply)

| | |
|---|---|
| ☐ PLM EPA600/R-93/116, 1993 (Standard method) | ☐ Stop at 1st Positive - Clearly mark Homogenous Group |
| ☐ Point Counting: 400 Points* | |
| ☐ 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 |
|---|---|---|---|
| 634795 | 01 ABCDE | | |
| | 02 ABC | Please see Attached Sheets | |
| | 03 ABC | | |
| | 04 AB | | |
| | | | |
| | | | |
| | | | |
| 634833 | 17 AB | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | Date | Time |
|---|---|---|---|
| Relinquished (Name/Organization): | Jake Gleason | 12/3/17 | 5:00 am/pm |
| Received (Name/ETL): | | 12.5.17 | am/pm |
| Stereoscopical Analysis (Name/ETL): | | 12-6-17 | am/pm |
| Sample Login (Name/ETL): | | 12.5.17 | am/pm |
| Analysis (Name/ETL): | | 12-6-17 | am/pm |
| QA/QC Review (Name/ETL): | | 12/7/17 | am/pm |

| Special Instructions: | Remarks |
|---|---|
| | |



Form ETL206: Chain of Custody; Revision A

# Asbestos Material Sampling Summary Sheet
## Surfacing materials

Revision date 5/7/2015

**Job #:** 199857 **Building:** 1036 Dakin St, Cassopolis MI **Date:** 12/31/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 1 | Material: Plaster<br>White | F | A | Ceiling middle rm 1 | 795 | 2900 | |
| | | | B | E wall S entry rm 2 | 796 | | |
| | | | C | E wall N entry rm 2 | 797 | | |
| | | | D | N wall 5 | 798 | | |
| | | | E | E wall rm 7 | 799 | | |
| | | | | | throughout | | |
| 2 | Material: textured ceiling<br>White | F | A | # center rm 2 | 800 | 450 | |
| | | | B | center rm 1 | 801 | | |
| | | | C | center rm 3 | 802 | | |
| | | | | | 1, 2, 3 | | |
| | Material: | | | | | | |

<1000 SF = 3 samples

1000 - <5000 = 5 samples

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

Revision date 5/7/2015

**Job #:** 194857 **Building:** 1036 Dakin St, Lansing MI **Date:** 12/3/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 3 | Material: Duct wrap<br>Description brown/black | f | A | rm 5 vent 634803 | throughout | 20 LF | |
| | | | B | rm 1 w vent 804 | | | |
| | | | C | rm 6 e vent 805 | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |

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

**Job #:** 149857 **Building:** 1036 Dakota St, Lansing **Date:** 12/3/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 4 | Material: ceiling tile<br>Description white bumpy | f | A | rm 6 ~~east~~ W Side 806 | 6 | 144 | |
| | | | B | rm 6 middle 807 | | | |
| 5 | Material: ceiling tile<br>Description white smooth | f | A | rm 4 E Side 808 | 4 | 144 | |
| | | | B | rm 4 middle 809 | | | |
| 6 | Material: linoleum<br>Description brown yellow | Nf | A | rm 4 entry 810 | 4 | 144 | |
| | | | B | rm 4 middle 811 | | | |
| 7 | Material: 12x12 P+S<br>Description yellow | Nf | A | rm 3 e entry 812 | 3; 5 | 600 | |
| | | | B | rm 5 s entry 813 | | | |
| 8 | Material: linoleum<br>Description flower yellow | Nf | A | rm 6 entry 814 | 6 | 144 | |
| | | | B | rm 6 middle 815 | | | |
| 9 | Material: 12x12 P+S<br>Description diamond yellow | Nf | A | rm 7 e entry 816 | 7 | 96 | |
| | | | B | rm 7 w entry 817 | | | |
| 10 | Material: 9x9 tile<br>Description red + tan | Nf | A | rm 7 e entry 818 | 7 | 96 | |
| | | | B | rm 7 w entry 819 | | | |
| 11 | Material: mastic (under 10)<br>Description black | ~~Nf~~ f | A | rm 7 e entry 820 | 7 | 96 | |
| | | | B | rm 7 w entry 821 | | | |
| 12 | Material: pared cement<br>Description grey | Nf | A | rm 9 center 822 | 8 | 800 | |
| | | | B | rm 9 n center 823 | | | |
| 13 | Material: house wrap<br>Description brown | Nf | A | NW corner 824 | ext | 1400 | |
| | | | B | NW corner 825 | | | |

2 samples

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

| Job #: | | Building: 1036 Dakin ST, Lansing MI | | | Date: 12/3/17 | | |
|---|---|---|---|---|---|---|---|
| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
| 14 | Material: window glaze<br>Description white | f | A<br>B | rm 1 ext window 826 634<br>rm 4 ext window 827 | ext | 14 wind | |
| 15 | Material: Asphalt shingle<br>Description black | f | A<br>B | middle E side 828<br>back porch 829 | ext house | 1500 | |
| 16 | Material: Asphalt shingle<br>Description white | f | A<br>B | NW corner 830<br>SE corner 831 | ext shed | 508 | |
| 17 | Material: Blown in insulation<br>Description grey | Nf | A<br>B | N side 832<br>S side 833 | through out | 1000 | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |
| | Material:<br>Description | | A<br>B | | | | |

2 samples

5 of 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.**

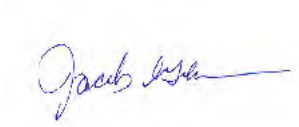
**Laboratory Analysis / Results**

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.



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: | 33-01-01-22-206-142 |
| House No: | 1042 Dakin St, Lansing, MI 48912 |
| Date Inspected: | 12/15/2017 |
| Inspected By: | Wade Wiltse |
| Inspectors 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**

ETC Job #: 200410

# 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 | | |

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 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 |

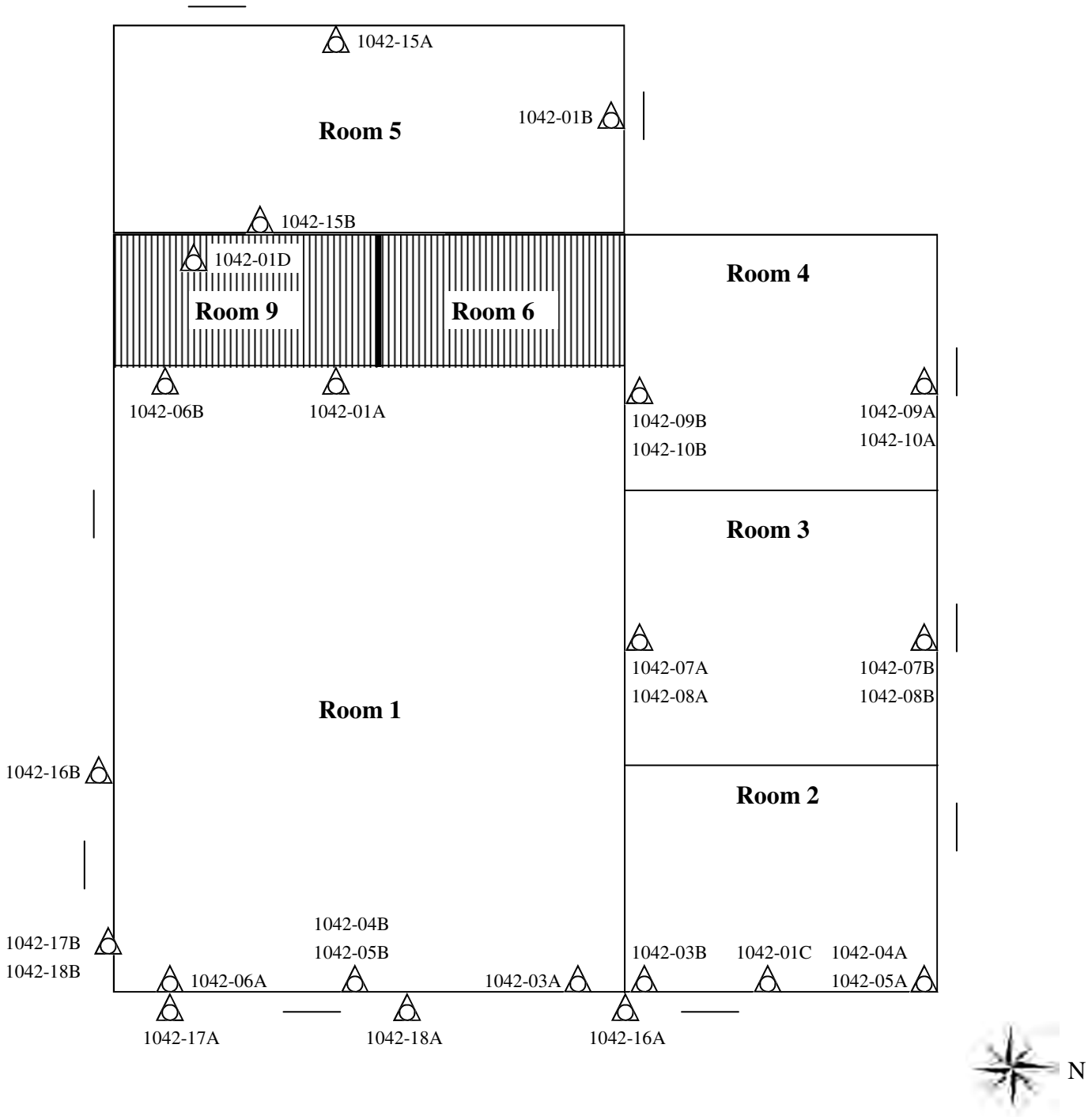
Table 2 - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.

Attachment:

Site Drawing

**1st floor**

33-01-01-22-206-142
1042 Dakin St, Lansing, MI 48912
12/15/2017



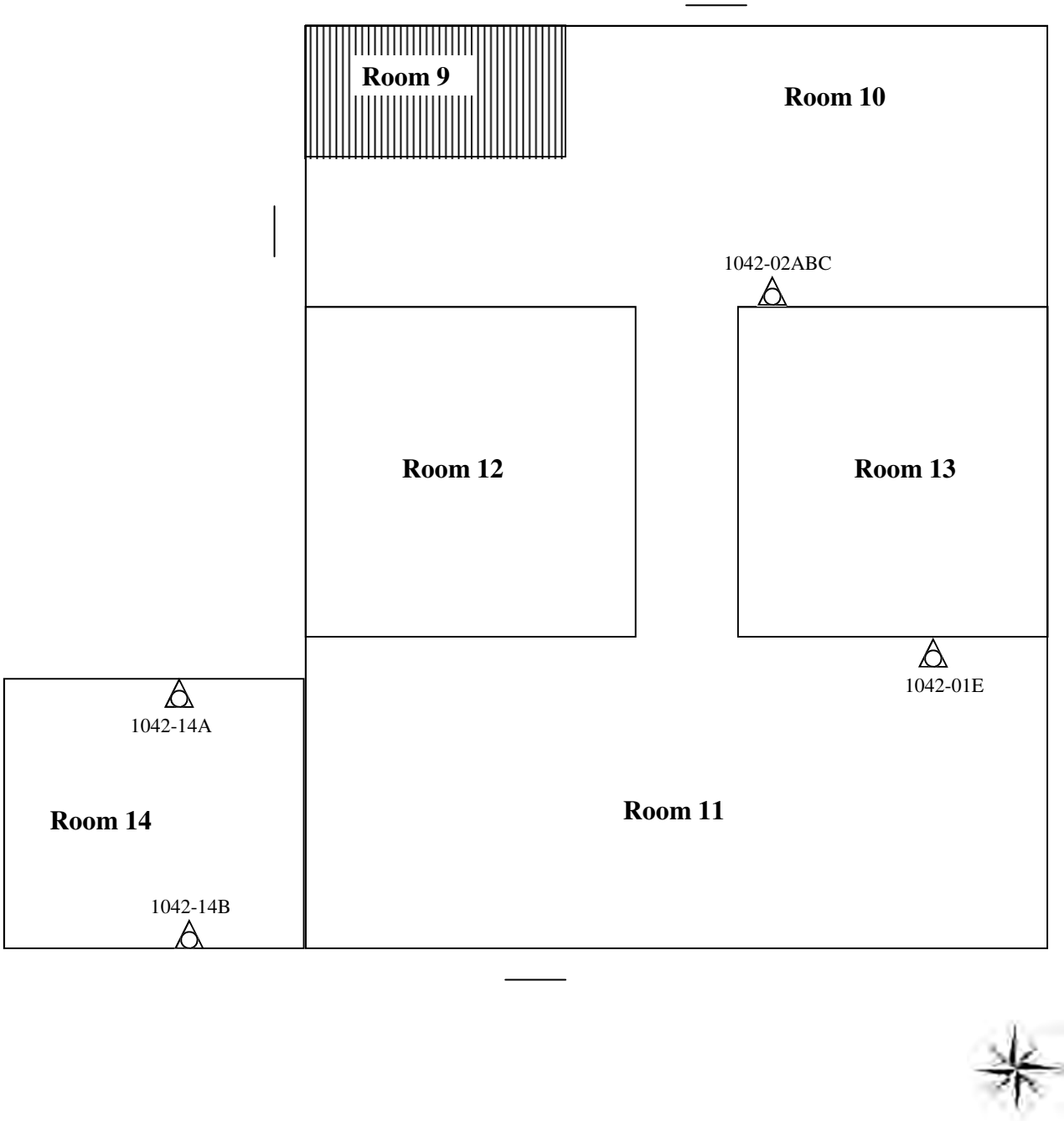

Sample Location

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
200410

**2nd floor**

33-01-01-22-206-142
1042 Dakin St, Lansing, MI 48912
12/15/2017



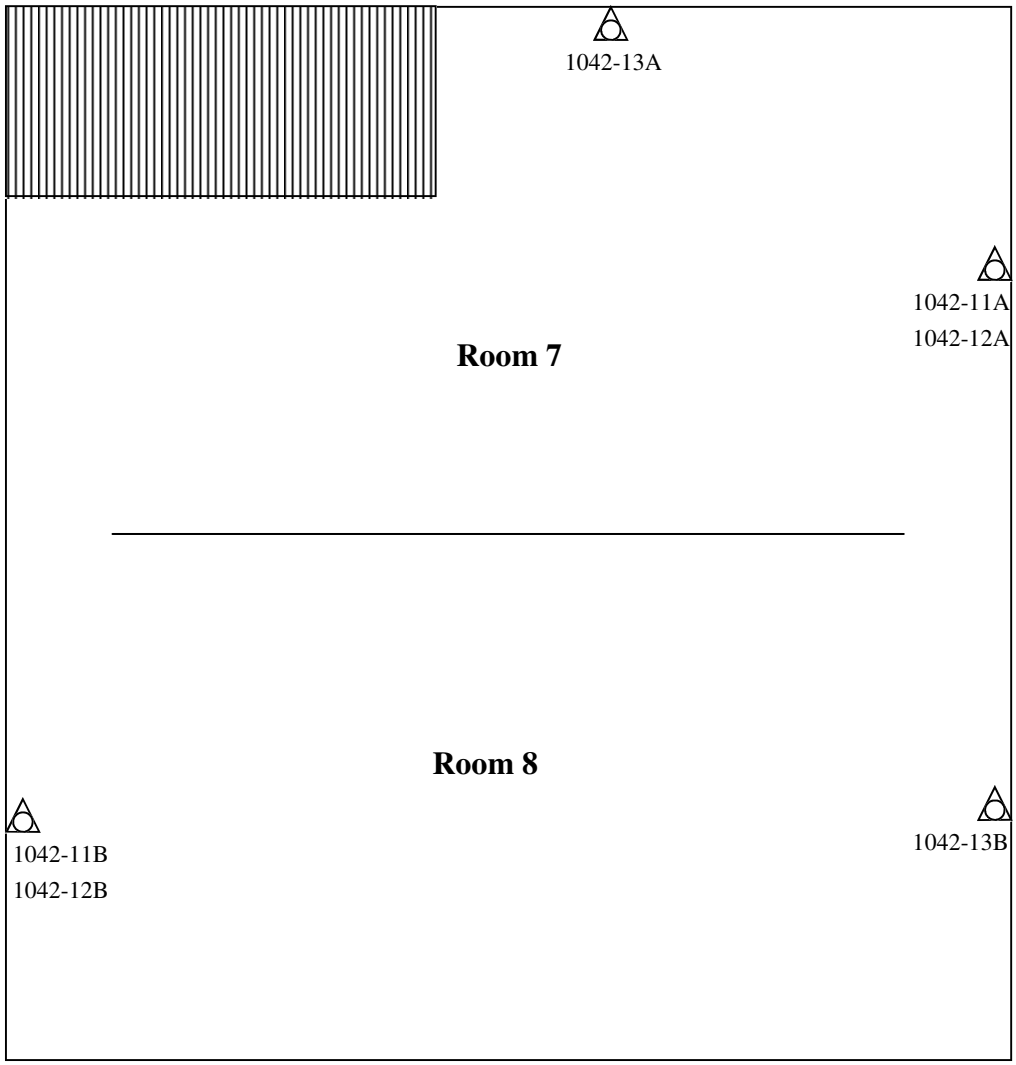

Sample Location

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
200410

**Basement**

33-01-01-22-206-142
1042 Dakin St, Lansing, MI 48912
12/15/2017




N

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
200410

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

Side #1 of house/property

Back of house/property

Side #2 of house/property

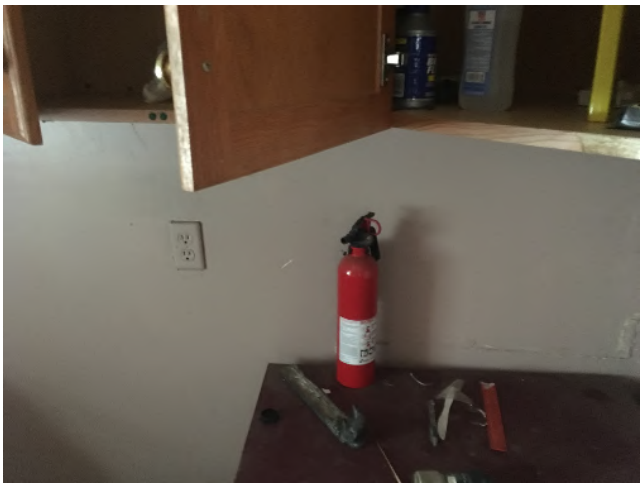
## Representative Pictures of Hazardous Materials

| | |
|---|---|
| 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

Electronics



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

# Environmental Testing Laboratories, Inc.

38900 Huron River Drive, Suite 200
Romulus, Michigan 48174
(734) 955-6600
Fax: (734) 955-6604


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

**Project Location :**
1042 Dakin St, Lansing, MI 48912

**Attention :**

**Client Project :** N/A

**ETC Job :** 200410

**Report Date :** 12/20/2017

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

| 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:**

Quality Assurance Coordinator

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

NVLAP LAB CODE 201028-0

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

# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

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# Certificate of Analysis

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**To :** Environmental Testing And Consulting Inc.
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Romulus,MI 48174

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

NVLAP LAB CODE 201028-0

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# Certificate of Analysis

## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

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

NVLAP LAB CODE 201028-0

# Certificate of Analysis

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## Polarized Light Microscopy Asbestos Analysis Report

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

**Location :**
1042 Dakin St, Lansing, MI 48912

**ETC Job :** 200410
**Client Project :** N/A
**Date Collected :** 12/15/2017
**Date Received :** 12/19/2017
**Date Analyzed :** 12/20/2017

| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Asbestos |
|---|---|---|---|---|---|

Lab Supervisor/Other Signatory

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

**ENVIRONMENTAL TESTING LABORATORIES, INC**
38900 HURON RIVER DRIVE
ROMULUS, MICHIGAN 48174
(734) 955-6600
FAX: (734) 992-2261
www.2etl.com

# Bulk Asbestos Chain of Custody

ETL Project #: 200410

| | | |
|---|---|---|
| **Client:** ETC | **Contact:** | **Project Location/name:** 1042 Dakin |
| | **Phone:** (734) 955-6600 | |
| **Address:** 721 N. Capitol Ave. Suite 3, Lansing, MI 48906 | **Fax:** (734) 955-6604 | |
| | **E-mail:** results@2etl.com | **Client Project #:** 200410 |
| **Please Provide Results:** ☐ Email ☐ Fax ☐ Verbal ☐ Other _____ | | **Date Sampled:** 12/15/17 |

**Turnaround Time (TAT):** ☐ RUSH ☐ Same Day ☐ 24 hr ☐ 48 hr ☒ Standard (3+ days) ☐ Other _____

**PLM Instructions**
(Check all that apply)

| | |
|---|---|
| ☒ PLM EPA600/R-93/116, 1993 (Standard method) | ☒ Stop at 1st Positive - *Clearly mark Homogenous Group* |
| ☒ Point Counting: 400 Points* ← NO | |
| ☐ 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 |
|---|---|---|---|
| | 01 ABCDE | | |
| | 02 ABC | | |
| | 03 AB | | |
| | ↓ | | |
| | | | |
| | 18 AB | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | Date | Time |
|---|---|---|---|
| Relinquished (Name/Organization): | Brook Wilbur | 12/15/17 | am/pm |
| Received (Name/ETL): | Brittany Walls | 12/19/17 | am/pm |
| Stereoscopical Analysis (Name/ETL): | Lati Allen | 12/19/17 | am/pm |
| Sample Login (Name/ETL): | Brittany Walls | 12/19/17 | am/pm |
| Analysis (Name/ETL): | | | am/pm |
| QA/QC Review (Name/ETL): | | 12/20/17 | am/pm |

**Special Instructions:**
Please point count anything less than 3% if positive!

**Remarks**

# Asbestos Material Sampling Summary Sheet
## Surfacing materials

Revision date 5/7/2015

**Job #:** 200410 **Building:** 1042 Dakin **Date:** 12/15/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 01 | Material: Plaster grey | N | A | 1 N Wall 640801 | throughout | ~~4000~~ 2500 | |
| | | | B | 5 W Wall 802 | | | |
| | | | C | 2 E Wall 803 | | | |
| | | | D | 9 W Wall 804 | | | |
| | | | E | 11 W Wall 805 | | | |
| | Material: | | | | | | |
| | Material: | | | | | | |

<1000 SF = 3 samples

1000 - <5000 = 5 samples

2

>5000 7

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

Revision date 5/7/2015

**Job #:** 200440 **Building:** 1412 Dakin **Date:** 12/15/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 02 | Material: Duct wrap<br>Description white | Y | A | 10 E Wall L40806 | 10 | 4 LF | |
| | | | B | 10 E Wall 807 | | | |
| | | | C | 10 E Wall 808 | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |
| | Material:<br>Description | | | | | | |

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

3 /

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

**Job #:** 20044.0 **Building:** 1042 Dakin **Date:** 12/15/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 03 | Material: Drywall<br>Description White | N | A | 1 E Wall 640809 | throughout | 2500 | |
| | | | B | 2 E Wall 810 | | | |
| 04 | Material: tape<br>Description White | Y | A | 1 E Wall 811 | throughout | 512 LF | |
| | | | B | 2 E Wall 812 | | | |
| 05 | Material: mud<br>Description grey | Y | A | 1 E Wall 813 | throughout | 512 LF | |
| | | | B | 2 E Wall 814 | | | |
| 06 | Material: Flooring<br>Description tan | N | A | 1 E floor 815 | 1 | 540 | |
| | | | B | 1 W floor 816 | | | |
| 07 | Material: Linoleum<br>Description Grey | N | A | 3 S floor 817 | 3 | 144 | |
| | | | B | 3 N floor 818 | | | |
| 08 | Material: 12X12 tile<br>Description tan | N | A | 3 S floor 819 | 3 | 144 | |
| | | | B | 3 N floor 820 | | | |
| 09 | Material: Linoleum<br>Description Grey | N | A | 4 N floor 821 | 4 | 180 | |
| | | | B | 4 S floor 822 | | | |
| 10 | Material: Linoleum<br>Description Brown | N | A | 4 N floor 823 | 4 | 180 | |
| | | | B | 4 S floor 824 | | | |
| 11 | Material: Concrete Block<br>Description Grey | N | A | [illegible] N 7 wall 825 | [illegible] Ext 7/8 | [illegible] 528 | |
| | | | B | [illegible] S 8 wall 826 | | | |
| 12 | Material: mortar<br>Description White | N | A | [illegible] N 7 wall 827 | [illegible] Ext 7/8 | [illegible] 312 LF | |
| | | | B | [illegible] S 8 wall 828 | | | |

2 samples

4

# Asbestos Material Sampling Summary Sheet
## Miscellaneous materials

Revision date 5/7/2015

**Job #:** 200440 **Building:** 1042 Dakin **Date:** 12/15/17

| Material no. | Material Description | Friable (F) / Non-Friable (NF) | Sample Letter | Sample Location | Material Located throughout bldg (Please List all Rooms) | Quantity | Picture # |
|---|---|---|---|---|---|---|---|
| 13 | Material: Poured Cement<br>Description Grey | N | A | 7 W floor 040829 | 7/8 | 720 | |
| | | | B | 8 N floor 830 | | | |
| 14 | Material: Blown on<br>Description Grey | Y | A | 14 W floor 831 | 14 | 81 | |
| | | | B | 14 E floor 832 | | | |
| 15 | Material: Linoleum<br>Description Black | N | A | 5 W floor 833 | 5 | 54 | |
| | | | B | 5 E floor 834 | | | |
| 16 | Material: House Wrap<br>Description tan | Y | A | E Ext 835 | ext | 1856 | |
| | | | B | S Ext 836 | | | |
| 17 | Material: Shingle siding<br>Description Black/Green | N | A | E ext 837 | ext | 1856 | |
| | | | B | S ext 838 | | | |
| 18 | Material: Asphalt Roof shingle<br>Description Black | N | A | E ext Roof 839 | ext | 720 | |
| | | | B | S ext Roof 840 | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | B | | | | |
| | Material:<br>Description | | A | | | | |
| | | | 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: Wade Wiltse _____

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