



**NESHAP RENOVATION / DEMOLITION INSPECTION OF  
ASBESTOS CONTAINING MATERIALS  
AND OTHER HAZARDOUS WASTE MATERIALS**



**FOR THE PROPERTY KNOWN AS:**

1360 Montie  
Lincoln Park, MI 48146

**Prepared for:**

City of Lincoln Park  
1355 Southfield Road  
Lincoln Park, MI 48146  
313-386-1817

**Prepared By:**

Connor Beausejour  
Michigan Certification #: A-51686  
Environmental Testing & Consulting, Inc.  
38900 West Huron River Drive  
Romulus, Michigan 48174  
(734) 955-6600  
ETC Job #: 224362

8/9/2019  
**Date of Survey**

8/19/2019  
**Date of Report**

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## 1. Introduction

City of Lincoln Park contracted Environmental Testing & Consulting, Inc. (ETC) to perform a renovation/demolition inspection of the building located at 1360 Montie, Lincoln Park, MI 48146. This inspection was conducted on 8/9/2019.

The EPA, under the National Emission Standards for Hazardous Air Pollutants (NESHAPs) asbestos rule, requires that prior to the start of a renovation and/or demolition project, the building must be inspected for asbestos containing materials (ACM's). The purpose of this inspection was to determine the presence and quantity of friable or potentially friable ACM's. Depending on the ACM found and the condition that it is in, removal of the material may be necessary before demolition work can begin. Prior to the start of a demolition project, it is necessary that friable or potentially friable ACM's be removed.

ETC's certified inspector, Connor Beausejour, conducted the asbestos containing building material (ACBM) inspection and identified materials suspected of containing asbestos. Connor Beausejour's State of Michigan Asbestos Building Inspector's certification number is A-51686.

Wherever potential asbestos materials were found, data was collected and recorded regarding quantities and observed conditions of the suspected material. As required by the Occupational Safety and Health (OSHA) and the Environmental Protection Agency (EPA), three (3) samples of each type of material were taken in different locations to determine actual asbestos content.

Included along with this report are copies of the bulk sample results, a site map showing sample locations and a copy of the State of Michigan Notification of Intent to Renovate/Demolish. This information will be necessary for the asbestos abatement contractor selected to perform asbestos abatement activities on the property. ETC has included its information on the second page.

## 2. Information about Asbestos Inspections

### *a. Sampling Procedures*

Representative bulk samples of suspected ACBMs 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.)

It is important to note that some companies are only taking one sample of select non-friable materials. While this procedure is allowed under the NESHAP regulation, the OSHA standard suggests a minimum of three samples of each homogeneous material. This is a better approach due the potential errors in the analytical method used.

***To provide the most accurate information possible and be sure of our results, ETC chooses to take three samples of each sampled material.***

Additionally, some inspection companies have taken to assuming that materials contain asbestos rather than paying for the time and expenses of sampling them. This is not in the client's best interest. If materials are being assumed to contain asbestos, the client must treat them as asbestos containing even if they are not. This can lead to significantly increased costs for the building owner.

***In general, ETC only assumes materials to be asbestos when sampling them will ruin their integrity (i.e. fire doors) or when they are too dangerous to sample (i.e. live electrical lines).***

*b. PLM Analysis Methodology*

Polarized Light Microscopy (PLM) samples were analyzed utilizing the Environmental Protection Agency's Test Methods: Methods for the determination of Asbestos in Bulk Building Materials (EPA 600/R-93/116, July 1993) and the McCrone Research Institute's The Asbestos Particle Atlas as method references. Additional treatment and tests may be required to accurately define composition (i.e. ashing, extraction, acetone treatment, and TEM).

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.) and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample.

According to NESHAP requirements, any bulk sample that has an asbestos content above 0% but below 10% should be point counted for final determination of percentage. ***Please note, the contract DID NOT include point counting as defined in NESHAP.*** Should City of Lincoln Park wish to have this additional analysis conducted, ETC can send any samples in this range for point counting. However, this will require additional charges for analysis. Therefore, for any samples in the range above 0% but below 10%, these results can only be considered estimates.

*c. Interpretation of Inspection Results*

A material is considered by OSHA, the EPA and the State of Michigan to be asbestos-containing if at least one sample collected from the homogenous material has asbestos fibers present in a concentration greater than one percent (>1 %).

A summary of the materials sampled, asbestos content, quantities and locations can be found on the Chart A in Section 4.0 – Summary and Conclusions.

#### *d. Other Hazardous Materials*

Additionally, information showing other hazardous materials (above the household quantity limitations) found at the site is included on Chart B in Section 4.0 – Summary and Conclusions. This lists non-asbestos materials that may be hazardous, and may require special handling and disposal requirements. Items that might be in this category include things like mercury switches, florescent lighting tubes, halogen lights, Freon in refrigeration units, pesticides, herbicides, paints, solvents, etc.

However, under the Resource Conservation and Recovery Act (RCRA) that addresses hazardous wastes, there is residential household quantity exclusion. Therefore, these materials will only be listed in this chart if they are present in quantities larger than what would be expected in a normal household. For instance, if the home was a farm and had a 55-gallon drum of pesticide present, this would be listed in Chart B. On the other hand, if there were a few pesticide containers present as would be found in most homes, these materials would not be listed.

### **3. Regulatory Requirements**

There are two main regulations that affect renovation/demolition of residential homes and asbestos materials. The MIOSHA Asbestos Construction Standard has requirements to protect the workers performing the renovation/demolition, while the EPA – NESHAP regulation has requirements that protect the general public and environment.

#### *a. MIOSHA Construction Asbestos Regulations*

The MIOSHA standard establishes a permissible exposure limit (PEL) average over an 8-hour day. This means that this is the maximum level of asbestos that workers and/or employees can be exposed to without respirator protection and protective clothing. Should air sampling during renovation or demolition activities be at or near the PEL, the employer will have to:

- Notify workers
- Provide worker training
- Post danger signs
- Establish periodic air monitoring regulated areas and decontamination facilities
- Provide respiratory protection and personnel protective clothing
- Conduct employee respiration monitoring
- Maintain/provide record keeping
- Perform medical surveillance (if employee will be exposed 30 days per year or more).

Until recently, only schools were federally mandated to conduct asbestos inspections of their buildings. However, with the passage of new MIOSHA regulations, all building owners, in this case City of Lincoln Park, are now required to notify all renovation/demolition workers of the presence, location and quantity of all ACBM's within the building.

In most cases, it is more practical to have an asbestos contractor remove the ACM from the building prior to renovation/demolition than have the renovation/demolition contractor comply with all these requirements.

*b. NESHAP Requirements*

Prior to beginning a renovation or demolition project, NESHAP (enforced in Michigan by the Department of Environmental Quality – MDEQ) requires a full inspection of the following materials to determine their asbestos content:

- Friable Materials
- Category 1 – Non-friable Materials (Packings, gaskets, resilient floor covering, and asphalt roofing products)
- Category II – Non-friable Materials (All other non-friable materials)

In general, MDEQ, prior to renovation or demolition activities, requires any identified asbestos materials be removed that would dislodge, disturb or otherwise affect these materials. There is an exception that if a licensed supervisor will state in writing that the material will not become friable during the renovation/demolition process, it may be left in the building. However, be very careful with this exemption. MDEQ has stated that they believe that the only materials that MIGHT qualify for this exemption would be roofing felt and asphalt roofing materials. In order to use even this small exemption, the following would be required from the demolition contractor:

- A signed document from a licensed asbestos abatement supervisor that the material will not become friable
- The supervisor will have to be on-site during all renovation or demolition to ensure that the material stays intact.
- The waste generated from the activity must be taken to an asbestos dump and they must be informed that the waste is mixed asbestos waste.

It is obviously very expensive and difficult to try and leave ACM within an area/building during renovation or demolition activities. If the MDEQ reviews the site and finds the material crumbled or disturbed, both the contractor and building owner may be sited up to \$27,500 per day. Therefore, ETC recommends that all ACM be removed. This is why ETC does not assume materials to be ACM.

*c. Notification Requirements*

When performing abatement work within the State of Michigan, notification requirements depend on the quantity of materials and the friability of the material being removed.

If removing friable material **greater than** 160 square feet and / or 260 linear feet, the contractor must provide a ten working day notification to Michigan Department of Environmental Quality (MDEQ) and a ten-calendar day notification to Michigan Department of Licensing and Regulatory Affairs (LARA) – Asbestos Program. If only non-friable materials are being removed, MDEQ does not require a notification.

If removing **more than** 15 square feet but **less than** 160 square feet, or **greater than** 10 linear feet but **less than** 260 linear feet, the contractor only needs to notify LARA as stated above.

For removals of **less than** 15 square feet or **less than** 10 linear feet, no notification is required.

In conjunction with any notification to LARA, the contractor must pay a 1% fee for the project. This fee must reflect 1% of the total abatement contract amount.

#### *d. Abatement Requirements*

Any company hired to remove identified ACM must ensure that all asbestos companies, supervisors, and workers are licensed by LARA. Additionally, these companies must insure that:

- The State of Michigan must be notified of the work in advance.
- An asbestos supervisor must be on-site at all times when work is occurring.
- All work must be completed within regulated work areas.
- All work must be completed utilizing asbestos work practices defined in the MIOSHA regulations.
- On-site personnel sampling be conducted during the removal activities.
- Prior to dismantling and leaving the site, the contractor must request and pass (below 0.05 f/cc) a final asbestos clearance performed by a neutral.
- Meet all other current regulations and standards.

In addition to these requirements, ETC strongly recommends that City of Lincoln Park ensure that they receive the following documents from the contractor prior to making final payment:

- Written/signed documentation from the supervisor if any asbestos materials are to be left in place during renovation or demolition (Not recommended)
- Copy of the asbestos abatement notification
- Copy of the personnel monitoring during the work
- Copy of the final asbestos clearance report

By requiring these documents, City of Lincoln Park will substantially reduce its liability should something occur during the asbestos removal at this site.

## **4. Summary and Conclusions**

*ETC has endeavored to identify potential asbestos containing materials (ACM) that were accessible (without destructive testing) at the time of the inspection. However, other potential ACM may be buried or have been inaccessible at the time of the initial survey.*

*As has been evidenced on numerous other demolition and renovation projects, when tearing out or demolishing existing building surfaces, it is very common to encounter other*

*building materials that were not accessible during the initial testing for ACM or lead/cadmium painted surfaces. It is therefore incumbent on City of Lincoln Park or its selected construction renovation contractor to refer to the chart of sampled materials consistently during the renovation process. If materials are encountered during this process that are not clearly identifiable on the initial survey chart, ETC should be called to test and verify the asbestos/lead cadmium content of these items.*

*ETC cannot be held responsible for materials encountered after the initial survey is completed unless we are contacted and given the opportunity to test and verify the material content. The costs associated with this additional testing are not included within the scope of this project and City of Lincoln Park will incur additional charges for the additional sampling and analysis.*

On the following charts, please find:

- Chart A - Is a summary of the materials that were sampled. Materials that test positive for asbestos have been bolded to make identification easier. ***If additional materials are encountered that were not previously identified, the contractor is responsible for contacting ETC and having these materials tested. These additional sampling costs are not included in the scope of work or price for this survey.***

Quantities that are listed are estimates only; in general, listed quantities represent only what was visible during testing. It is likely that where ACM has been identified throughout specific floors, similar materials and quantities exist on other like floors. It is the contractors'/client's responsibility to verify all amounts of asbestos identified during any bid process, or during future renovation and/or demolition activities. Materials that are identical in both relative location and physical description to already tested materials listed in this report should always be assumed to be ACM.

- Chart B – Is a list of other hazardous materials (above RCRA household quantity levels) that will require special handling and disposal by the contractor.



## Chart A – Materials Sampled and Asbestos Content

Material #	Material Description	Asbestos	Quantity	Location (Refer to map in Appendix B)
<b>1</b>	<b>Plaster, on lath, gray</b>	<b>Yes</b>	<b>2400 SF</b>	<b>Rooms 2, 4, 5 and 6</b>
2	Stack Cement, gray	No	4 SF	Room 14
<b>3</b>	<b>Floor Tile, 9x9, gray/brown</b>	<b>Yes</b>	<b>200 SF</b>	<b>Room 14</b>
4	Mastic, black	No	200 SF	Room 14
5	Linoleum, yellow	No	80 SF	Room 8
6	Floor Tile, 12X12, beige	No	750 SF	Room 8, 10 and 15
7	Linoleum, yellow/black	No	200 SF	Room 10
<b>8</b>	<b>Drywall, white/brown</b>	<b>Yes</b>	<b>4500 SF</b>	<b>Throughout House</b>
9	Ceiling Tile, 12X12, white	No	120 SF	Room 10
10	Blown in Insulation, gray	No	600 SF	Throughout House Ceilings
11	Pegboard, white/brown	No	40 SF	Room 16
12	Exterior Caulk, white	No	80 LF	Exterior
13	Asphalt Siding, brown	No	2800 SF	Exterior
14	Floor Underlayment, brown	No	600 SF	Throughout 1 <sup>st</sup> Floor
15	House Wrap, black	No	2800 SF	Exterior
16	Corrugated Paper, black	No	2800 SF	Exterior
17	Shingle, red/brown	No	1200 SF	Exterior House and Garage

## Chart B – Other Hazardous Materials Located (Above the household quantity Limitations)

Material #	Material Description	Quantity	Location
1	Refrigerator/Freezer/AC Units	1	Room 5
2	Stove	1	Room 5
3	Oven	1	Room 5
4	Washer	1	Room 10
5	Dryer	1	Room 10
6	Furnace	1	Room 14
7	Hot Water Heater	1	Room 14
8	CRTS/TV Screens/Monitors/Electronics	1	Room 3
9	Automobiles	1	Room 11

### 5. Inspector's Information

The information contained in this report is a true and accurate representation of the conditions and activities at this property at the time of the investigation, based on the professional judgment of the person(s) who conducted and reported this survey. All inspection work was completed by a Michigan certified asbestos inspector as detailed below.



Connor Beausejour  
State of Michigan Certification #: A-51686

## **APPENDIX A**

### **POLARIZED LIGHT MICROSCOPY ASBESTOS ANALYSIS RESULT FORMS**



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

**ETL Job:** 224362

**Client Project:** 224362

**Report Date:** 8/19/2019

**Attention:** Doreen Christian

**Project Location:** 1360 Montie, Lincoln Park, MI 48146  
Vacant Residence

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078862	01A	Asbestos PLM	08/15/2019
1078863	01B	Asbestos PLM	08/15/2019
1078864	01C	Asbestos PLM	08/15/2019
1078865	01D	Asbestos PLM	08/15/2019
1078866	01E	Asbestos PLM	08/15/2019
1078867	02A	Asbestos PLM	08/15/2019
1078868	02B	Asbestos PLM	08/15/2019
1078869	02C	Asbestos PLM	08/15/2019
1078870	03A	Asbestos PLM	08/15/2019
1078871	03B	Asbestos PLM	08/15/2019
1078872	03C	Asbestos PLM	08/15/2019
1078873	04A	Asbestos PLM	08/15/2019
1078874	04B	Asbestos PLM	08/15/2019
1078875	04C	Asbestos PLM	08/15/2019
1078876	05A	Asbestos PLM	08/16/2019
1078877	05B	Asbestos PLM	08/16/2019
1078878	05C	Asbestos PLM	08/16/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078879	06A	Asbestos PLM	08/16/2019
1078880	06B	Asbestos PLM	08/16/2019
1078881	06C	Asbestos PLM	08/16/2019
1078882	07A	Asbestos PLM	08/16/2019
1078883	07B	Asbestos PLM	08/16/2019
1078884	07C	Asbestos PLM	08/15/2019
1078885	08A	Asbestos PLM	08/16/2019
1078886	08B	Asbestos PLM	08/16/2019
1078887	08C	Asbestos PLM	08/16/2019
1078888	09A	Asbestos PLM	08/16/2019
1078889	09B	Asbestos PLM	08/15/2019
1078890	09C	Asbestos PLM	08/15/2019
1078891	10A	Asbestos PLM	08/16/2019
1078892	10B	Asbestos PLM	08/16/2019
1078893	10C	Asbestos PLM	08/16/2019
1078894	11A	Asbestos PLM	08/16/2019
1078895	11B	Asbestos PLM	08/16/2019
1078896	11C	Asbestos PLM	08/16/2019
1078897	12A	Asbestos PLM	08/16/2019
1078898	12B	Asbestos PLM	08/16/2019
1078899	12C	Asbestos PLM	08/16/2019
1078900	13A	Asbestos PLM	08/16/2019
1078901	13B	Asbestos PLM	08/16/2019
1078902	13C	Asbestos PLM	08/16/2019
1078903	14A	Asbestos PLM	08/16/2019
1078904	14B	Asbestos PLM	08/16/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078905	14C	Asbestos PLM	08/16/2019
1078906	15A	Asbestos PLM	08/16/2019
1078907	15B	Asbestos PLM	08/16/2019
1078908	15C	Asbestos PLM	08/16/2019
1078909	16A	Asbestos PLM	08/16/2019
1078910	16B	Asbestos PLM	08/16/2019
1078911	16C	Asbestos PLM	08/16/2019
1078912	17A	Asbestos PLM	08/16/2019
1078913	17B	Asbestos PLM	08/16/2019
1078914	17C	Asbestos PLM	08/16/2019

Reviewed by:



Quality Assurance Coordinator

## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Residence  
 1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078862 01A 2-A Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Plaster On Lathe	Grey Non-Fibrous Homogenous		PC 99.5% Other	PC 0.5% Chrysotile
1078862 01A 2-A Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078863 01B 2-D Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Plaster On Lathe	Grey Non-Fibrous Homogenous	PC 2% Cellulose	PC 96.5% Other	PC 1.5% Chrysotile
1078863 01B 2-D Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078864 01C 4-D Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019  Layer Not Analyzed		Positive Stop			
1078864 01C 4-D Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected



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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078865 01D 5-Ceiling Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019  Layer Not Analyzed		Positive Stop			
1078865 01D 5-Ceiling Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078866 01E 6-D Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019  Layer Not Analyzed		Positive Stop			
1078866 01E 6-D Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078867 02A 14 D Wall-Stack Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Stack Cement	Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078868 02B 14 D Wall-Stack Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Stack Cement	Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected





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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078869 02C 14 D Wall-Stack Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Stack Cement	Grey Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078870 03A 14-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	9x9 Floor Tile	Grey/ Brown Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 94% Other	PLM 3% Chrysotile
1078871 03B 14-Floor Analyst: Yanesa Guzman Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078872 03C 14-Floor Analyst: Yanesa Guzman Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078873 04A 14-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078874 04B 14-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected



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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078875 04C 14-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078876 05A 8-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Linoleum	Yellow Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1078877 05B 8-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Linoleum	Yellow Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1078878 05C 8-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Linoleum	Yellow Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1078879 06A 15-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	12x12 Floor Tile	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078880 06B 15-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	12x12 Floor Tile	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

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Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078881 06C 10-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	12x12 Floor Tile	Beige Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078882 07A 10-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Linoleum	Yellow Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1078882 07A 10-Floor Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Mastic	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078883 07B 10-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Linoleum	Yellow Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1078883 07B 10-Floor Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Mastic	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

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**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078884 07C 10-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Linoleum	Yellow Non-Fibrous Homogenous	PLM 5% Cellulose	PLM 95% Other	PLM None Detected
1078884 07C 10-Floor Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Mastic	Black Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078885 08A 15-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Drywall	Grey Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078885 08A 15-C Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Mud	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 97% Other	PLM 2% Chrysotile
1078886 08B 1-D Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Drywall	Grey Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078886 08B 1-D Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019		Positive Stop			
Layer Not Analyzed					



## Polarized Light Microscopy Asbestos Analysis Report

**To :** Environmental Testing And Consulting Inc.  
38900 Huron River Drive  
Romulus, MI 48174  
**Location :** Vacant Residence  
1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078887 08C 6-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Drywall	Grey Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078887 08C 6-C Wall Layer-2 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019  Layer Not Analyzed		Positive Stop			
1078888 09A 10-Ceiling Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Ceiling Tile	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078889 09B 10-Ceiling Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Ceiling Tile	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078890 09C 10-Ceiling Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/15/2019	Ceiling Tile	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078891 10A 5 Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Blown- In Insulation	White Fibrous Homogenous	PLM 10% Fiberglass PLM 30% Cellulose	PLM 60% Other	PLM None Detected

## Polarized Light Microscopy Asbestos Analysis Report

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 38900 Huron River Drive  
 Romulus, MI 48174  
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 1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078892 10B 5 Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Blown- In Insulation	White Fibrous Homogenous	PLM 30% Cellulose PLM 10% Fiberglass	PLM 60% Other	PLM None Detected
1078893 10C 5 Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Blown- In Insulation	White Fibrous Homogenous	PLM 10% Fiberglass PLM 30% Cellulose	PLM 60% Other	PLM None Detected
1078894 11A 16-H Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Peg Board	White/Brown Fibrous Homogenous	PLM 60% Cellulose	PLM 40% Other	PLM None Detected
1078895 11B 16-H Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Peg Board	White/Brown Fibrous Homogenous	PLM 60% Cellulose	PLM 40% Other	PLM None Detected
1078896 11C 16-H Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Peg Board	White/Brown Fibrous Homogenous	PLM 60% Cellulose	PLM 40% Other	PLM None Detected
1078897 12A Ext House-A Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected

## Polarized Light Microscopy Asbestos Analysis Report

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 38900 Huron River Drive  
 Romulus, MI 48174  
**Location :** Vacant Residence  
 1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078898 12B Ext House-B Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078899 12C Ext House-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Exterior Caulk	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078900 13A Ext-A Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Asphalt Siding	Brown Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078901 13B Ext-B Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Asphalt Siding	Brown Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078902 13C Ext-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Asphalt Siding	Brown Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078903 14A 1-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Floor Underlayment	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected



## Polarized Light Microscopy Asbestos Analysis Report

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**Location :** Vacant Residence  
1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078904 14B 1-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Floor Underlayment	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078905 14C 1-Floor Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Floor Underlayment	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078906 15A Ext-A Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	House Wrap	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078907 15B Ext-B Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	House Wrap	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078908 15C Ext-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	House Wrap	Brown Fibrous Homogenous	PLM 30% Cellulose	PLM 70% Other	PLM None Detected
1078909 16A Ext-A Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Corrugated Paper	Brown Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected





## Polarized Light Microscopy Asbestos Analysis Report

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1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078910 16B Ext-B Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Corrugated Paper	Brown Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1078911 16C Ext-C Wall Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Corrugated Paper	Brown Fibrous Homogenous	PLM 20% Cellulose	PLM 80% Other	PLM None Detected
1078912 17A Ext House-Roof Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Shingle	Brown/ Red Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078913 17B Ext House-Roof Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Shingle	Brown/ Red Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078914 17C Ext House-Roof Layer-1 Analyst: Yanesa Guzman Date Analyzed : 08/16/2019	Shingle	Brown/ Red Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected



Lab Supervisor/Other Signatory

Analyst:



Yanesa Guzman



## Polarized Light Microscopy Asbestos Analysis Report

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Romulus, MI 48174  
**Location :** Vacant Residence  
1360 Montie, Lincoln Park, MI 48146

**ETC Job :** 224362  
**Client Project :** 224362  
**Date Collected :** 08/09/2019  
**Date Received :** 08/14/2019

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

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M4-82/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are related to only to samples that were tested.

## Bulk Asbestos Chain of Custody

ETL Project #: 2243202

Client: ETC	Contact: Leo Wall	Project
	Phone: 734.955.6600	Location/name: <del>224362</del>
Address: 38900 W Huron River Dr.	Fax: 734.955.6604	1360 Montie, Unwln Park
	E-mail: results@2etc.com	Client Project #: <del>ETC</del> 224362
Please Provide Results: X Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 8/9/2009

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

(Check all that apply)

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

X Stop at 1st Positive -

Point Counting: ☐ 400 Points\* ☐ NYSDOH ELAP 198.1, 2002\*

*Clearly mark Homogenous Group*

☐ Gravimetric Reduction\* ☐ NYSDOH ELAP 198.6, 2010\*

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

☐ Soil or Vermiculite Analysis\*

\* Additional charge and turnaround may be required

[illegible]

	Date	Time
Relinquished (Name/Organization):	Connor Beardsley - Ann Arbor DYC	8:14:20
Received (Name/ETL):	Brianne Dye - Brianne Dye	10:25
Sample Login (Name/ETL):	Angelica Banks - Angelica Banks	8:14:19
Stereoscopic/Sample Analysis (Name/ETL)	Manisa Singh - Manisa Singh	8:16:19
Results (Name/ETL):	Manisa Singh - Manisa Singh	8:16:19
QA/QC Review (Name/ETL):	Angelica Banks - Angelica Banks	8:19:19

Special Instructions: POINT COUNT PLASTER <5% AND ALL OTHER MATERIALS THAT ARE GREATER THAN 0 AND LESS THAN 1%

Remarks
---------

\*\*IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF

# Asbestos Material Sampling Summary Sheet

## Surfacing materials

Job #: <u>Q 224362</u>		Building: <u>1360 Montie, Lincoln Park, MI 48146</u>			Date: <u>9 Aug 2011</u>		
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: <u>Plaster on Lath</u>	F	A	<u>2 - A wall</u> <u>1078862</u>	2 to 5, 6	2400sf	9
	Grav		B	<u>2 - D wall</u> <u>863</u>			
			C	<u>4 - D wall</u> <u>864</u>			
			D	<u>5 - Ceiling</u> <u>865</u>			
			E	<u>6 - D wall</u> <u>866</u>			
	Material:						
	Material:						

<1000 SF = 3 samples

1000 - <5000 = 5 samples

>5000 = 7 samples



# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

Revision date 5/7/2015

Job #:		229362	1360 Marie			9 Aug 2019		
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: Stack cement	F	A	14 - D wall - Stack 1078867	14	45K	10	
	Description: Gray		B	14 - 868				
	C		14 - 869					
03	Material: 9x9 Floor tile	NFI	A	14 - Floor 870	14	200K	11	
	Description: Gray/Brown		B	14 871				
	C		14 872					
04	Material: Mastic	NFI	A	14 873	14	200K	11	
	Description: Black		B	14 874				
	C		14 875					
05	Material: Linoleum	NFI	A	8 - Floor 876	8	800K	12	
	Description: Yellow		B	877				
	C		878					
06	Material: 12x12 Floor tile	NFI	A	15 - Floor 879	10, 15	750K	13	
	Description: Beige		B	15 - Floor 880				
	C		10 - Floor 881					
07	Material: Linoleum	NFI	A	10 - Floor 882	10	200K	14	
	Description: Yellow/Black		B	883				
	C		884					
08	Material: Drywall		A	15 - C wall 885	15 Thruout House	4500K	15	
	Description: white + brown		B	1 - D wall 886				
	C		6 - C wall 887					

# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

Revision date 5/7/2015

Job #: 229362		1360 maine, Lincoln Park, MI 48146			9 Aug 2019		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
09	Material: Ceiling tile 12x12	F	A	10 - Ceilings 1078888	10	120sf	16
	Description: white		B	10 889			
			C	10 890			
10	Material: Blown in Insulation	F	A	5 891	Thru shaft House Ceilings	600sf	17
	Description: Gray		B	5 892			
			C	5 893			
11	Material: Pestboard	F	A	16 - Wall 894	16	400sf	18
	Description: white/brown		B	16 - Wall 895			
			C	16 - Wall 896			
12	Material: Exterior Caulk	NF11	A	Ext House - A wall 897	Ext	Polif	19
	Description: white		B	Ext House - B wall 898			
			C	Ext House - C wall 899			
13	Material: Asphalt siding	NF11	A	Ext - A wall 900	Ext	2800sf	20
	Description: Brown		B	Ext - B wall 901			
			C	Ext - C wall 902			
14	Material: Floor underlayment	NF1	A	1 - Floor 903	Thru shaft 1st floor	600sf	21
	Description: Brown		B	1 - Floor 904			
			C	1 - Floor 905			
15	Material: House wrap	NF11	A	Ext - A wall 906	Ext	2800sf	22
	Description: Black		B	Ext - B wall 907			
			C	Ext - C wall 908			

# Asbestos Material Sampling Summary Sheet

## Miscellaneous materials

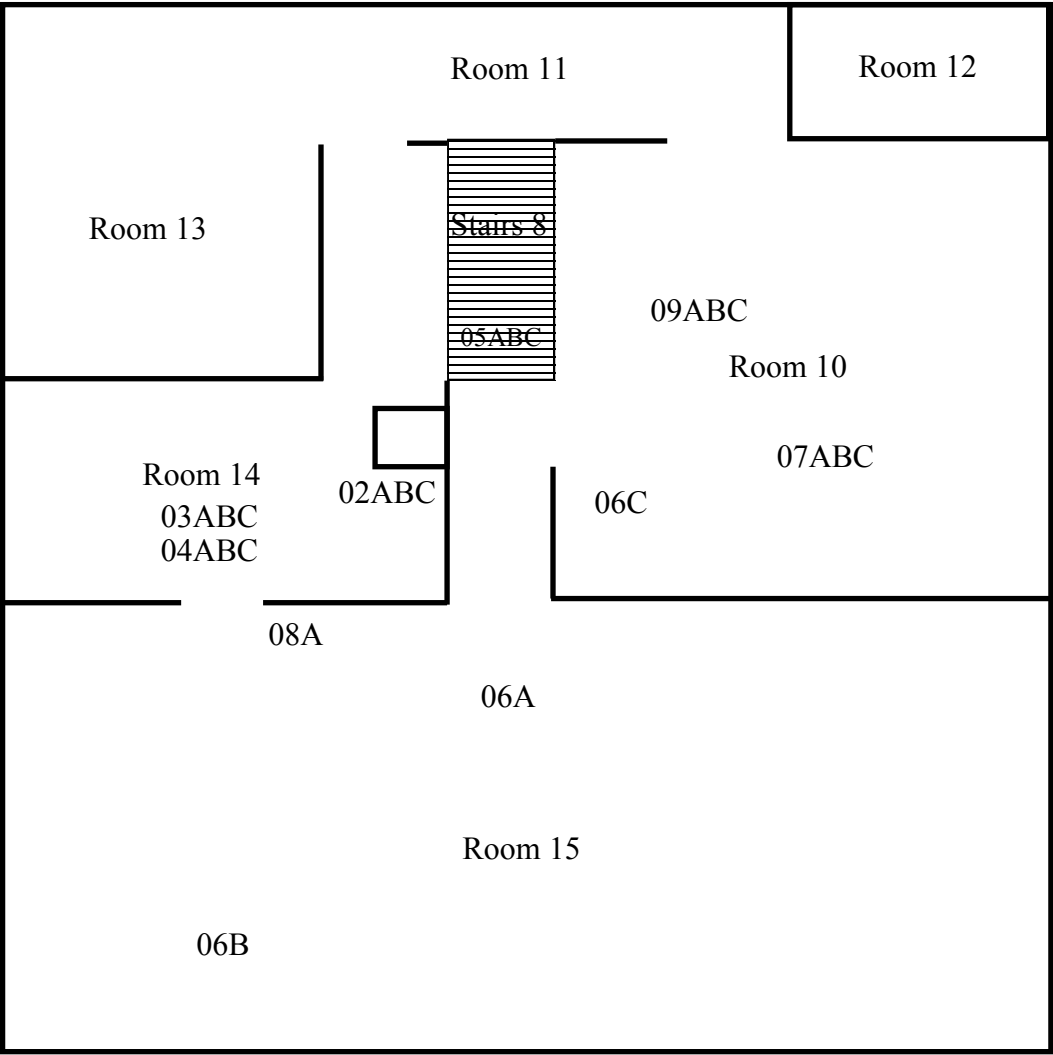
Revision date 5/7/2015

Job #: 228362		1360 Montic, Lincoln Park, MI 48146			9 Aug 19		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
16	Material: Corrosibel Paper	NFI	A	Ext - A wall 1078909	Ext	2800sq	23
	Description: Black		B	Ext - B wall 910			
	C		Ext - C wall 911				
17	Material: Shingle	NFI	A	Ext House - Roof 912	Ext Ext Garage	1200sq	24
	Description: Red/Brown		B	Ext House - Roof 913			
	C		Ext Garage - Roof 914				
	Material:						
	Description:						
	Material:						
	Description:						
	Material:						
	Description:						
	Material:						
	Description:						
	Material:						
	Description:						

## **APPENDIX B**

### **SITE MAP**



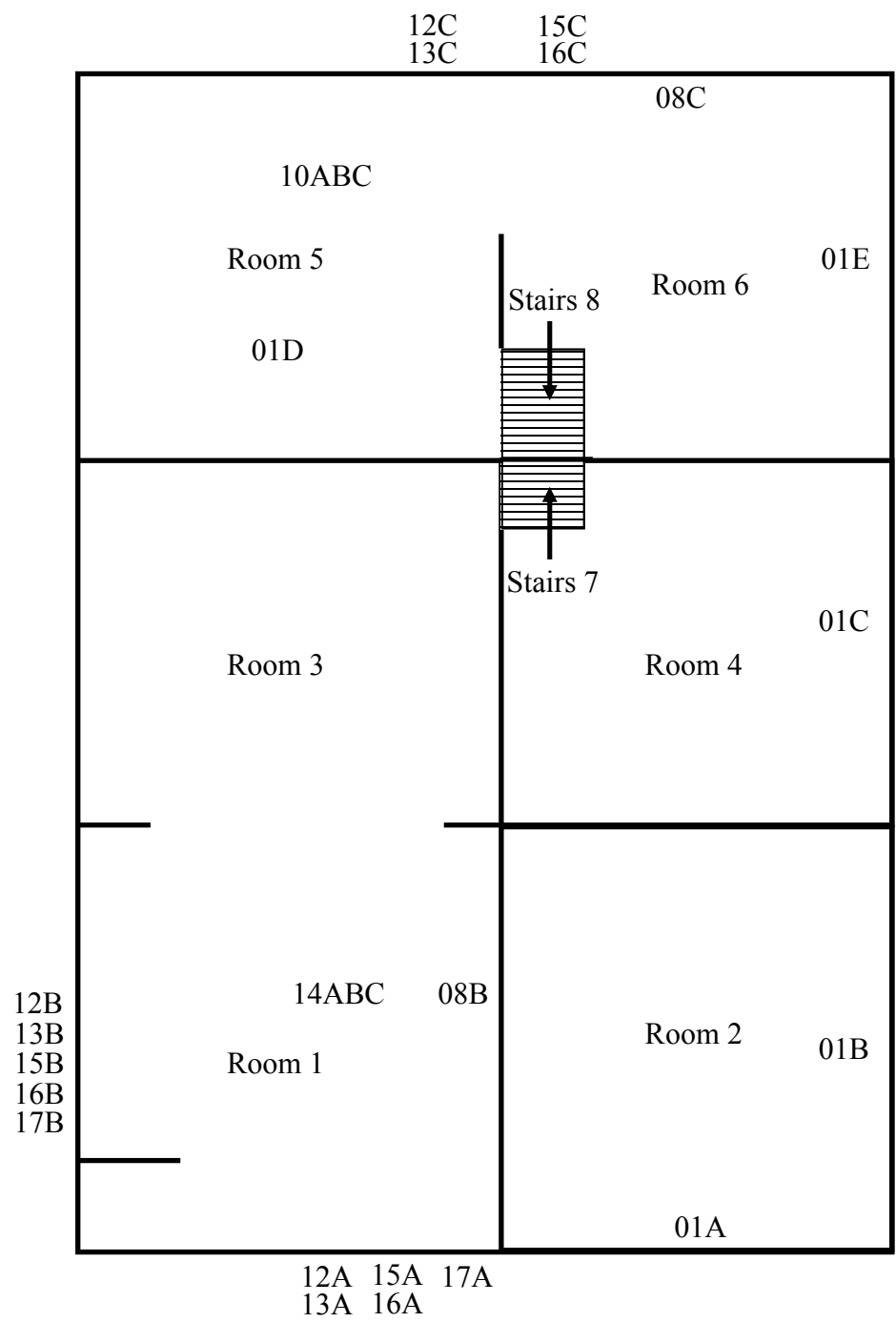


Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.



1st floor

1360 Montie, Lincoln Park, MI 48146



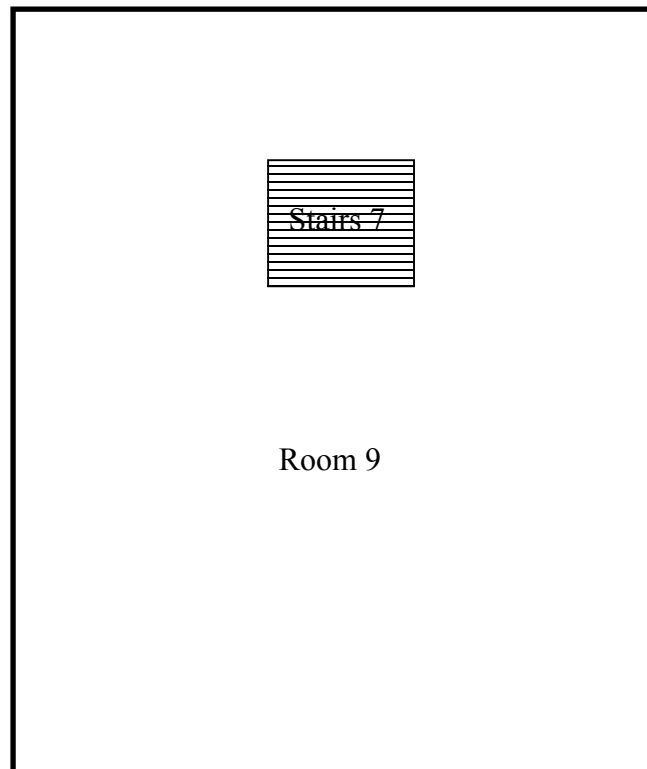
Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.



City of Lincoln Park  
224362

2nd floor

1360 Montie, Lincoln Park, MI 48146



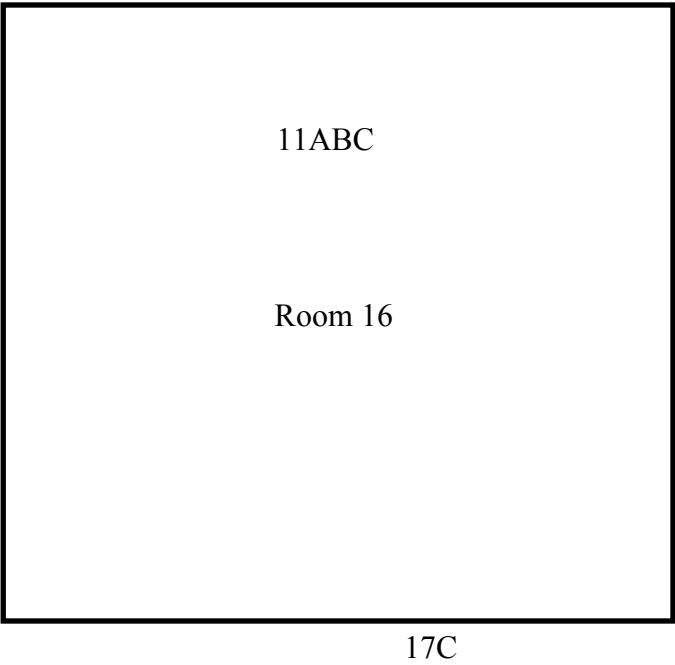
Please Note: This is a rough floor plan only. All items, (doorways, Windows, etc.) may not be included in this illustration. Also, room and component sizes are not drawn to scale.



City of Lincoln Park  
224362

Garage

1360 Montie, Lincoln Park, MI 48146



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.



**APPENDIX C**

**PHOTOGRAPHS**



Pos. Plaster



Pos. Floor Tile, 9x9



Pos. Drywall

## **APPENDIX D**

### **STATE OF MICHIGAN NOTIFICATION OF INTENT TO RENOVATE OR DEMOLISH**

# NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
(MDEQ) AIR QUALITY DIVISION  
NESHAP, 40 CFR Part 61, Subpart M



MICHIGAN DEPARTMENT OF LICENSING AND  
REGULATORY AFFAIRS (LARA), ASBESTOS PROGRAM,  
P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

## DEQ/LARA USE ONLY

Postmark Date \_\_\_\_/\_\_\_\_/\_\_\_\_ Rec'd Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Emergency Date \_\_\_\_/\_\_\_\_/\_\_\_\_ Valid No. \_\_\_\_  
☐ OK ☐ Send Def Ltr. Date of Def Ltr. \_\_\_\_/\_\_\_\_/\_\_\_\_  
FOLLOW UP \_\_\_\_/\_\_\_\_/\_\_\_\_ Spoke w/ \_\_\_\_  
Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Notification No. \_\_\_\_\_ Trans No. \_\_\_\_\_

### Calculate LARA Asbestos Project Fee: (1% Project Fee)

Total Project Cost: \_\_\_\_\_ x 0.01 = \_\_\_\_\_  
Type of Contractor: \_\_\_\_\_ License No.: \_\_\_\_\_  
Licensing Authority: \_\_\_\_\_

### 1. NOTIFICATION:

Date of Notification: \_\_\_\_\_  
Date of Revision(s): \_\_\_\_\_  
Notification Type: ☐ Original ☐ Revised ☐ Canceled ☐ Annual  
**Mark appropriate boxes: (both DEQ and LARA may apply):**  
**DEQ (NESHAP) [260 ln. ft./160 sq. ft. or more is threshold]**  
☐ Planned Renovation – 10 working days notice  
☐ Emergency Renovation  
☐ Scheduled Demolition – 10 working days notice  
☐ Intentional Burn – 10 working days notice  
☐ Ordered Demolition  
**LARA (MIOASHA) [Will not accept annual notifications]**  
☐ Demo, Reno, Encap. (>10 ln. ft./15 sq. ft.) 10 calendar days notice  
☐ Emergency Renovation/Encapsulation

### 2. PROJECT SCHEDULE:

	START DATE	END DATE
* Renovation	_____	_____
+Asb. Removal	_____	_____
+Demolition:	_____	_____
Encapsulation:	_____	_____

**Work Schedule:** Please indicate the anticipated days of the week and work hours for the purpose of scheduling a compliance inspection.

	Days of the Week	Work Hours
Asb. Removal:	_____	_____
Demolition:	_____	_____
Encapsulation:	_____	_____

\* Includes setup, build enclosure, asbestos removal, demobilizing, etc.  
+Include only those dates you are conducting asbestos removal/demo.

☐ Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

### 3. ABATEMENT CONTRACTOR:

Internal Project #: \_\_\_\_\_

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

### 4. DEMOLITION CONTRACTOR:

Internal Project #: \_\_\_\_\_

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

### 5. FACILITY OWNER: ("Facility" includes Bridges)

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Contact: \_\_\_\_\_ Phone: \_\_\_\_\_

### 6. FACILITY DESCRIPTION:

Facility Name: \_\_\_\_\_  
Location Address/Description: \_\_\_\_\_  
\_\_\_\_\_ If Apt. # of units: \_\_\_\_\_  
City/Twp. \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
County: \_\_\_\_\_ Nearest Crossroad: \_\_\_\_\_  
Size: (sq. ft.) \_\_\_\_\_ No. of Floors: \_\_\_\_\_ Floor No.: \_\_\_\_\_  
Age: \_\_\_\_\_ Present Use: \_\_\_\_\_ Prior Use: \_\_\_\_\_  
Specific Location(s) in Facility: \_\_\_\_\_

### 7. DISPOSAL SITE:

Name: \_\_\_\_\_  
Location Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_

### 8. WASTE TRANSPORTER 1:

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City/State/Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_

### WASTE TRANSPORTER 2:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolition.") A copy of the official Order must accompany this notification.

Gov't Agency Ordering Demo: \_\_\_\_\_  
Name/Title of Person Signing Order: \_\_\_\_\_  
\_\_\_\_\_  
Date of Order: \_\_\_\_\_ Date Ordered to Begin: \_\_\_\_\_

### 10. IS ASBESTOS PRESENT?

☐ Yes ☐ No ☐ To be removed prior to demolition

**Estimate the amount of asbestos:** Include RACM (Regulated Asbestos Containing Material) to be removed, encapsulated, etc. Also include the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that will not be removed prior to demolition. (NOTE: In a demolition, cementitious ACM cannot remain in a structure, as it is likely to become regulated in the demolition/handling process. It must be removed prior to demolition.)

RACM to be Removed	RACM to be Encapsulated	Non-friable ACM <u>not</u> removed prior to demo.		Units of Measure	
		Category I	Category II		
				<input type="checkbox"/> Ln. Ft.	<input type="checkbox"/> Ln. M.
				<input type="checkbox"/> Sq. Ft.	<input type="checkbox"/> Sq. M.
				<input type="checkbox"/> Cu. Ft.*	<input type="checkbox"/> Cu. M.*

\*Volume (cubic ft./meters) should be used only if unable to measure by linear/square measure (example: asbestos has fallen off of surface).

(continued on reverse side)



# NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

## 11. PROJECT DESCRIPTION: Complete A) for Renovation (asbestos removal/encapsulation) and/or B) for Demolition:

### A) RENOVATION: Mark all surfaces/types of RACM to be removed:

- ☐ Piping    ☐ Fittings    ☐ Boiler(s)    ☐ Tanks(s)  
☐ Beam(s)    ☐ Duct(s)    ☐ Tunnel(s)    ☐ Ceiling Tile(s)  
☐ Mag Block    ☐ Other (describe) \_\_\_\_\_

### Encapsulation (for LARA): Mark surfaces/types to be encapsulated:

- ☐ Piping    ☐ Fittings    ☐ Boiler(s)    ☐ Tank(s)  
☐ Beam(s)    ☐ Duct(s)    ☐ Tunnel(s)    ☐ Ceiling Tile(s)  
☐ Other (describe) \_\_\_\_\_

**Method of removal:** Describe how the asbestos will be removed from the surface (example: glove bag, scrape with hand tools, cut in sections and carefully lower, etc.): \_\_\_\_\_

**B) DEMOLITION:** Describe the method of demolition of facility, bridge, etc., and indicate if complete or partial. If partial, describe which part of facility bridge, etc., will be demolished: \_\_\_\_\_

## 12. ENGINEERING CONTROLS: Describe work practices and engineering controls used to prevent visible emissions before, during, and after removal, and until proper disposal: \_\_\_\_\_

## 13. UNEXPECTED ASBESTOS: Describe the steps you intend to follow in the event that unexpected RACM is found or previously non-friable asbestos becomes friable (crumbled, pulverized, reduced to powder, etc.) and therefore regulated: \_\_\_\_\_

## 14. PROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS: A) Indicate how you determined whether or not asbestos is in the facility. If analytical sampling was used, describe method of analysis. (The determination of the presence or absence of asbestos must be made prior to submitting a renovation/demolition notification.): \_\_\_\_\_

B) Name, address, and phone number of company performing asbestos survey: \_\_\_\_\_

C) Name, accreditation number of inspector, and date of inspection: \_\_\_\_\_

## 15. EMERGENCY RENOVATIONS: Date/time of emergency: \_\_\_\_\_ Describe the sudden, unexpected event: \_\_\_\_\_

Explain how the event caused unsafe conditions, and/or would cause equipment damage and/or an unreasonable financial burden: \_\_\_\_\_

## 16. I certify that an individual trained in the provisions of 40 CFR Part 61, Subpart M, will be on-site during the renovation and during demolition involving RACM above the threshold and/or during an ordered demolition. Evidence that this person has completed the required training will be available for inspection at the renovation or demolition site.

Signature of Owner or Abatement Contractor \_\_\_\_\_ Date \_\_\_\_\_

Signature of Owner or Demolition Contractor \_\_\_\_\_ Date \_\_\_\_\_

## 17. Signature Requirements for Projects with Negative Pressure Enclosures: (required by LARA)

Per Section 221(1)(2) of P.A. 135 of 1986, as amended, clearance air monitoring is required for any asbestos abatement project involving 10 linear feet/15 square feet or more of friable material which is performed within a negative pressure enclosure. I (the building owner or lessee) have been advised by the contractor of my responsibility under Act 135 to have clearance air monitoring performed on this project.

Signature of Building Owner or Lessee \_\_\_\_\_ Date \_\_\_\_\_

Signature of Asbestos Abatement Contractor Representative \_\_\_\_\_ Date \_\_\_\_\_

**NOTE:** It is not mandatory that a signed copy be sent to LARA unless requested. For affected projects, this section of the notification form must be completed, signed, and made part of your records before the project begins.

## 18. I certify that the above information is correct:

Printed Name of Owner/Operator \_\_\_\_\_ Date \_\_\_\_\_

Signature of Owner/Operator \_\_\_\_\_ Date \_\_\_\_\_

## MAILING ADDRESSES/PHONE NUMBERS: (See Item 1 to determine which agency requirements/regulations are applicable to your project.)

For Public Act 135 of 1986, as amended, Section 220 (1-4) or (8), mail to address below. For more info visit: <http://www.michigan.gov/asbestos>

MIOSHA Asbestos Program  
LARA, CSHD  
P.O. Box 30671  
Lansing, MI 48909-8171

517.636.4551 (office), 517.322.1713 (fax)

For NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M, mail notifications to the appropriate address below (by county of subject facility): For more info visit <http://www.michigan.gov/deq> click on Air, then Asbestos NESHAP Program.

### All Counties (except Wayne County)

NESHAP Asbestos Program  
DEQ, AQD  
P.O. Box 30260  
Lansing, MI 48909-7760

517.241.7463 (Office)  
517.373.7064 (Revision Line)

### Wayne County Only

NESHAP Asbestos Program  
Detroit Field Office, DEQ, AQD  
Cadillac Place, Suite 2-300  
3058 West Grand Boulevard  
Detroit, MI 48202

313.456.4686 (Office)  
313.456.2558 (Revision Line)