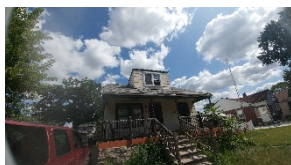




**NESHAP RENOVATION / DEMOLITION INSPECTION OF
ASBESTOS CONTAINING MATERIALS
AND OTHER HAZARDOUS WASTE MATERIALS**



FOR THE PROPERTY KNOWN AS:

1154 Cleveland
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 #: 224363

8/9/2019
Date of Survey

8/19/2019
Date of Report

TABLE OF CONTENTS

- 1) Introduction
- 2) Information about Asbestos Inspections
 - a) Sampling Procedures
 - b) PLM Analysis Methodology
 - c) Interpretation of Inspection Results
 - d) Other Hazardous Materials
- 3) Regulatory Requirements
 - a) MIOSHA Construction Asbestos Requirements
 - b) NESHAPs Requirements
 - c) Notification Requirements
 - d) Abatement Requirements
- 4) Summary and Conclusions
 - Chart A – Materials Sampled and Asbestos Content
 - Chart B – Other Hazardous Materials Located
- 5) Inspector's Information/Certification

Appendices

Appendix A - Polarized Light Microscopy Asbestos Analysis Results

Appendix B - Site Map

Appendix C - Photographs

Appendix D - State of Michigan Notification of Intent to Renovate or Demolish

1. Introduction

City of Lincoln Park contracted Environmental Testing & Consulting, Inc. (ETC) to perform a renovation/demolition inspection of the building located at 1154 Cleveland, 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 insure 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 insure 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 insure 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)
1	Plaster, on lath, gray	Yes	3500 SF	Rooms 1-8 and 15
2	Plaster, on drywall, gray	No	3500 SF	Rooms 9-12, 16 and 19
3	Drywall, Tape and Mud, white	No	500 SF	Rooms 5 and 6
4	Window Rope, gray	No	7 Units	Throughout House
5	Window Glaze, white	Yes	10 Units	Throughout House
6	Floor Tile, 12X12, wood grain	No	150 SF	Room 6
7	Floor Tile, 12X12, green	No	200 SF	Rooms 7 and 9
8	Floor Tile, 12X12, beige	No	350 SF	Rooms 10, 13 and 14
9	House Wrap Seam Tape, black	No	3500 SF	Exterior
10	Asphalt Vapor Barrier, black/brown	No	3500 SF	Exterior
11	Transite, white/gray	Yes	3500 SF	Exterior
12	Basement Window Glaze, white	Yes	10 Units	Exterior
13	Shingle, gray	No	1600 SF	Exterior

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

Material #	Material Description	Quantity	Location
1	Refrigerator/Freezer/AC Units	1	Room 14
2	Stoves	2	Rooms 7 and 14
3	Containers, drums, basins	12	Room 6
4	Mechanical Equipment (Lawn mowers, compressors, engines, etc.)	1	Exterior House
5	Debris Pile and / or evidence of dumping	30 Cubic Yards	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



**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

ETL Job: 224363

Client Project: 224363

Report Date: 8/19/2019


Attention: Doreen Christian

Project Location: 1154 Cleveland, Lincoln Park, MI 48146
Vacant Residence

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078915	01A	Asbestos PLM	08/15/2019
1078916	01B	Asbestos PLM	08/15/2019
1078917	01C	Asbestos PLM	08/15/2019
1078918	01D	Asbestos PLM	08/15/2019
1078919	01E	Asbestos PLM	08/15/2019
1078920	02A	Asbestos PLM	08/15/2019
1078921	02B	Asbestos PLM	08/15/2019
1078922	02C	Asbestos PLM	08/15/2019
1078923	02D	Asbestos PLM	08/15/2019
1078924	02E	Asbestos PLM	08/15/2019
1078925	03A	Asbestos PLM	08/15/2019
1078926	03B	Asbestos PLM	08/15/2019
1078927	03C	Asbestos PLM	08/15/2019
1078928	04A	Asbestos PLM	08/15/2019
1078929	04B	Asbestos PLM	08/15/2019
1078930	04C	Asbestos PLM	08/15/2019
1078931	05A	Asbestos PLM	08/15/2019

Lab Sample Number	Client Sample Number	Sample Type	Completed
1078932	05B	Asbestos PLM	08/15/2019
1078933	05C	Asbestos PLM	08/15/2019
1078934	06A	Asbestos PLM	08/15/2019
1078935	06B	Asbestos PLM	08/15/2019
1078936	06C	Asbestos PLM	08/15/2019
1078937	07A	Asbestos PLM	08/15/2019
1078938	07B	Asbestos PLM	08/15/2019
1078939	07C	Asbestos PLM	08/15/2019
1078940	08A	Asbestos PLM	08/15/2019
1078941	08B	Asbestos PLM	08/15/2019
1078942	08C	Asbestos PLM	08/15/2019
1078943	09A	Asbestos PLM	08/15/2019
1078944	09B	Asbestos PLM	08/15/2019
1078945	09C	Asbestos PLM	08/15/2019
1078946	10A	Asbestos PLM	08/15/2019
1078947	10B	Asbestos PLM	08/15/2019
1078948	10C	Asbestos PLM	08/15/2019
1078949	11A	Asbestos PLM	08/15/2019
1078950	11B	Asbestos PLM	08/15/2019
1078951	11C	Asbestos PLM	08/15/2019
1078952	12A	Asbestos PLM	08/15/2019
1078953	12B	Asbestos PLM	08/15/2019
1078954	12C	Asbestos PLM	08/15/2019
1078955	13A	Asbestos PLM	08/15/2019
1078956	13B	Asbestos PLM	08/15/2019
1078957	13C	Asbestos PLM	08/15/2019

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
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078915 01A 15-A Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Lathe	Gray Non-Fibrous Homogenous	PC 1% Cellulose	PC 98.75% Other	PC 0.25% Chrysotile
1078915 01A 15-A Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078915 01A 15-A Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Texture	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078916 01B 7-D Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Lathe	Gray Non-Fibrous Homogenous	PC 0.75% Cellulose	PC 98.25% Other	PC 1% Chrysotile
1078916 01B 7-D Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078916 01B 7-D Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Texture	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
 38900 Huron River Drive
 Romulus, MI 48174
Location : Vacant Residence
 1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078917 01C 3-B Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Lathe	Gray Non-Fibrous Homogenous	PC 1% Cellulose	PC 98.5% Other	PC 0.5% Chrysotile
1078917 01C 3-B Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078917 01C 3-B Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Texture	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078918 01D 4-C Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Lathe	Gray Non-Fibrous Homogenous	PC 0.5% Cellulose	PC 99% Other	PC 0.5% Chrysotile
1078918 01D 4-C Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
 38900 Huron River Drive
 Romulus, MI 48174
Location : Vacant Residence
 1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078919 01E 6-B Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Lathe	Gray Non-Fibrous Homogenous	PC 1.75% Cellulose	PC 97% Other	PC 1.25% Chrysotile
1078919 01E 6-B Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078919 01E 6-B Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Texture	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078920 02A 09-B Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Drywall	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078920 02A 09-B Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected



Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078921 02B 10-D Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Drywall	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078921 02B 10-D Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078922 02C 11-D Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Drywall	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078922 02C 11-D Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078923 02D 12-D Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Drywall	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078923 02D 12-D Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected



Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078924 02E 14-B Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Plaster on Drywall	Gray Non-Fibrous Homogenous	PLM 3% Cellulose	PLM 97% Other	PLM None Detected
1078924 02E 14-B Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Skim Coat	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078925 03A 06-A Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078925 03A 06-A Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Tape	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
1078925 03A 06-A Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Mud	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected



Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078926 03B 05-C Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078926 03B 05-C Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Tape	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
1078926 03B 05-C Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Mud	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078927 03C 05-A Wall Layer-1 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Drywall	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078927 03C 05-A Wall Layer-2 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Tape	Beige Fibrous Homogenous	PLM 99% Cellulose	PLM 1% Other	PLM None Detected
1078927 03C 05-A Wall Layer-3 Analyst: Kimberly Toler Date Analyzed : 08/15/2019	Mud	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
 38900 Huron River Drive
 Romulus, MI 48174
Location : Vacant Residence
 1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078928 04A 02-B Windows Analyst: Courtney Lane Date Analyzed : 08/15/2019	Window Rope	Gray Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1078929 04B 01-A Windows Analyst: Courtney Lane Date Analyzed : 08/15/2019	Window Rope	Gray Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1078930 04C 15-A Windows Analyst: Courtney Lane Date Analyzed : 08/15/2019	Window Rope	Gray Fibrous Homogenous	PLM 85% Cellulose	PLM 15% Other	PLM None Detected
1078931 05A A Side Ext Analyst: Courtney Lane Date Analyzed : 08/15/2019	Window Glaze	White Non-Fibrous Homogenous	PLM 1% Cellulose	PLM 96% Other	PLM 3% Chrysotile
1078932 05B B Side Ext Analyst: Courtney Lane Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078933 05C D Side Ext Analyst: Courtney Lane Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					



Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078934 06A 06-Floor Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078935 06B 06-Floor Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078936 06C 06-Floor Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Brown Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078937 07A 7 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Green Non-Fibrous Non-Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078938 07B 7 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Green Non-Fibrous Non-Homogenous	PLM 2% Cellulose	PLM 98% Other	PLM None Detected
1078939 07C 9 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Green Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078940 08A 14 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Beige Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078941 08B 13 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Beige Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078942 08C 10 Analyst: Courtney Lane Date Analyzed : 08/15/2019	12x12 Floor Tile (P&S)	Beige Non-Fibrous Non-Homogenous	PLM 1% Cellulose	PLM 99% Other	PLM None Detected
1078943 09A Ext-B Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	House Wrap Seam Tape	Black Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1078944 09B Ext-C Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	House Wrap Seam Tape	Black Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected
1078945 09C Ext-D Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	House Wrap Seam Tape	Black Non-Fibrous Homogenous	PLM 4% Cellulose	PLM 96% Other	PLM None Detected



Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078946 10A Ext-B Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Asphalt Vapor Barrier	Black/Brown Non-Fibrous Homogenous	PLM 8% Cellulose	PLM 92% Other	PLM None Detected
1078947 10B Ext-C Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Asphalt Vapor Barrier	Black/Brown Non-Fibrous Homogenous	PLM 8% Cellulose	PLM 92% Other	PLM None Detected
1078948 10C Ext-D Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Asphalt Vapor Barrier	Black/Brown Non-Fibrous Homogenous	PLM 8% Cellulose	PLM 92% Other	PLM None Detected
1078949 11A Ext-B Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Transite	White/Gray Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 83% Other	PLM 15% Chrysotile
1078950 11B Ext-C Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078951 11C Ext-D Wall Analyst: Nariman Halimeh Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
 38900 Huron River Drive
 Romulus, MI 48174
Location : Vacant Residence
 1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
1078952 12A Ext-B Windows Basement Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Basement Window Glaze	White Non-Fibrous Homogenous	PLM 2% Cellulose	PLM 96% Other	PLM 2% Chrysotile
1078953 12B Ext-C Windows Basement Analyst: Nariman Halimeh Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078954 12C Ext-D Windows Basement Analyst: Nariman Halimeh Date Analyzed : 08/15/2019		Positive Stop			
Sample Not Analyzed					
1078955 13A Ext-Roof Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 1% Cellulose PLM 6% Fiberglass	PLM 93% Other	PLM None Detected
1078956 13B Ext-Roof Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 1% Cellulose PLM 6% Fiberglass	PLM 93% Other	PLM None Detected
1078957 13C Ext-Roof Analyst: Nariman Halimeh Date Analyzed : 08/15/2019	Shingle	Gray Non-Fibrous Homogenous	PLM 1% Cellulose PLM 6% Fiberglass	PLM 93% Other	PLM None Detected

Polarized Light Microscopy Asbestos Analysis Report

To : Environmental Testing And Consulting Inc.
38900 Huron River Drive
Romulus, MI 48174
Location : Vacant Residence
1154 Cleveland, Lincoln Park, MI 48146

ETC Job : 224363
Client Project : 224363
Date Collected : 08/09/2019
Date Received : 08/14/2019

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

Jan MacCubbin

Lab Supervisor/Other Signatory

Analyst:

Courtney Lane

Courtney Lane

Kimberly Toler

Kimberly Toler

Nariman Halimeh

Nariman Halimeh

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 #: 224323

Client: ETC	Contact: Leo Wall	Project Location/name: 1154 Cleveland Lincoln Park, NY 98196
	Phone: 734.955.6600	
Address: 38900 W Huron River Dr.	Fax: 734.955.6604	
	E-mail: results@2etc.com	Client Project #: 274363
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 8 Aug 2019

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

PLM Instructions (Check all that apply)	
X PLM EPA600/R-93/116, 1993 (Standard method)	X Stop at 1st Positive - <i>Clearly mark Homogenous Group</i>
Point Counting: <input type="checkbox"/> 400 Points* <input type="checkbox"/> NYSDOH ELAP 198.1, 2002*	
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description
	O1-A-E	SEE ATTACHED PAPERWORK	SEE ATTACHED PAPERWORK
	O7-A-E		
	O3-A-C		
	X 15-A-C		

		Date	Time
Relinquished (Name/Organization):	Connor Bouslog Ann Mm Etc	13 Aug 2019	5:00 am/pm
Received (Name/ETL):	BRIANNA DIN BRIANNA DIN	8-14-19	10:25 am/pm
Sample Login (Name/ETL):	Angelica Banks Angelica Banks	8-14-19	3:12 am/pm
Stereoscopic/Sample Analysis (Name/ETL)	Norine Hahn CORP 7.2 Kentucky Taker	8.15.19	2:15 am/pm
Results (Name/ETL):	Brianne Din	8.19.19	9:21 am/pm
QA/QC Review (Name/ETL):	Brianne Din	8.19.19	9:21 am/pm

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

Page 1 of 4

Asbestos Material Sampling Summary Sheet

Surfacing materials

Job #: 02 22063		Building: 1154 Cleveland, Lincoln Park, Mt. 48146			Date: 9 Aug 2011		
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 on Lath	F	A	15-24 wall 1078915	15, 1, 2, 3, 4, 5, 6, 7, 8	3500sf	1
			B	7-D wall 916			
			C	3-B wall 917			
			D	4-C wall 918			
			E	6-B wall 919			
02	Material: Plaster on brick wall	F	A	09-B wall 920	10, 11, 12, 13, 14, 16, 9	3500sf	2
			B	10-D wall 921			
			C	11-D wall 922			
			D	12-D wall 923			
			E	14-B wall 924			
	Material:						

<1000 SF = 3 samples

1000 - <5000 = 5 samples

>5000 = 7 samples

2 of 4

Asbestos Material Sampling Summary Sheet

Miscellaneous materials

Revision date 5/7/2015

Job #: 224363		NSA Cleanup, Lincoln Park, nt 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 #
03	Material: Drywall Tape + mud	F	A	06-A wall	1078925	S06	500sf	3
	Description: white		B	05-C wall	926			
	C		05-A wall	927				
04	Material: window Pane	NF11	A	02-B windows	928	Thrasher House	Bunks	4
	Description: Gray		B	01-A windows	929			
	C		15-A windows	930				
05	Material: window Glaze	NF11	A	A side EXT	931	Thrasher House	Bunks	5
	Description: white		B	B side EXT	932			
	C		D side EXT	933				
06	Material: 12X12 Floor tile	NF1	A	06-Floor	934	06	150sf	6
	Description: wood Grain		B	06	935			
	C		06	936				
07	Material: 12X12 Floor tile	NF1	A	7	937	7, 9	200sf	7
	Description: Green		B	7	938			
	C		9	939				
08	Material: 12X12 Floor tile	MPI	A	14	940	19, 13, 10	350sf	8
	Description: Beige		B	13	941			
	C		10	942				
09	Material: House wrap seam Tape	NF11	A	EXT - B wall	943	Ext	350sf	9
	Description: Black		B	EXT - C wall	944			
	C		EXT - D wall	945				

Asbestos Material Sampling Summary Sheet

Miscellaneous materials

Revision date 5/7/2015

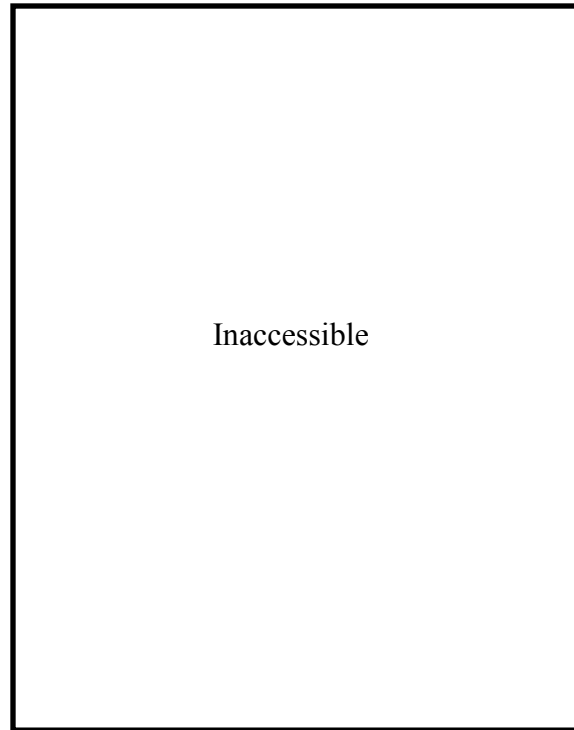
Job #: 224363		1154 Cleveland, Lincoln Ave, apt 48196			9 Aug 2019		
Material no.	Material Description	Friable (F) / Non-Friable (NF)	Sample Letter	Sample Location	Material Located throughout bldg (Please List all Rooms)	Quantity	Picture #
10	Material: Asphalt Volar Barrier	NFI	A	Ext - Bay 1 1078946	Ext	3500-sq	10
	Description: Black/Brown		B	Ext - C wall 947			
	C		Ext - D wall 948				
11	Material: Transite	NFI	A	Ext - Bay 1 949	Ext	3500-sq	11
	Description: White/Gray		B	Ext - C wall 950			
	C		Ext - D wall 951				
12	Material: Basement window Glaze	NFI	A	Ext - Windows Basement 952	Ext	10 units	12
	Description: White		B	Ext - Windows Basement 953			
	C		Ext - Windows Basement 954				
13	Material: Stone	NFI	A	Ext - Roof 955	Ext	1600-sq	13
	Description: Gray		B	Ext - Roof 956			
	C		Ext - Roof 957				
	Material:						
	Description						
	Material:						
	Description						
	Material:						
	Description						

APPENDIX B

SITE MAP

Basement

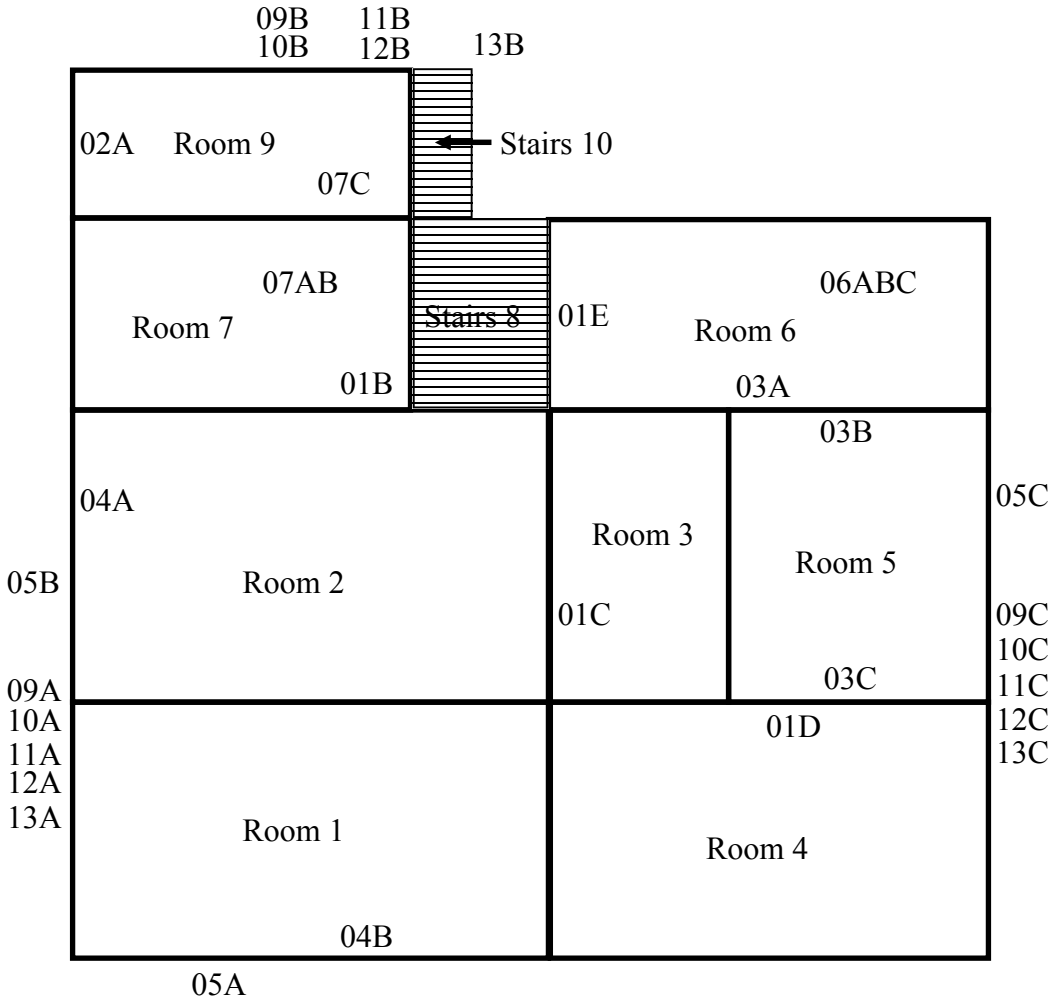
1154 Cleveland, Lincoln Park, MI 48146



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.

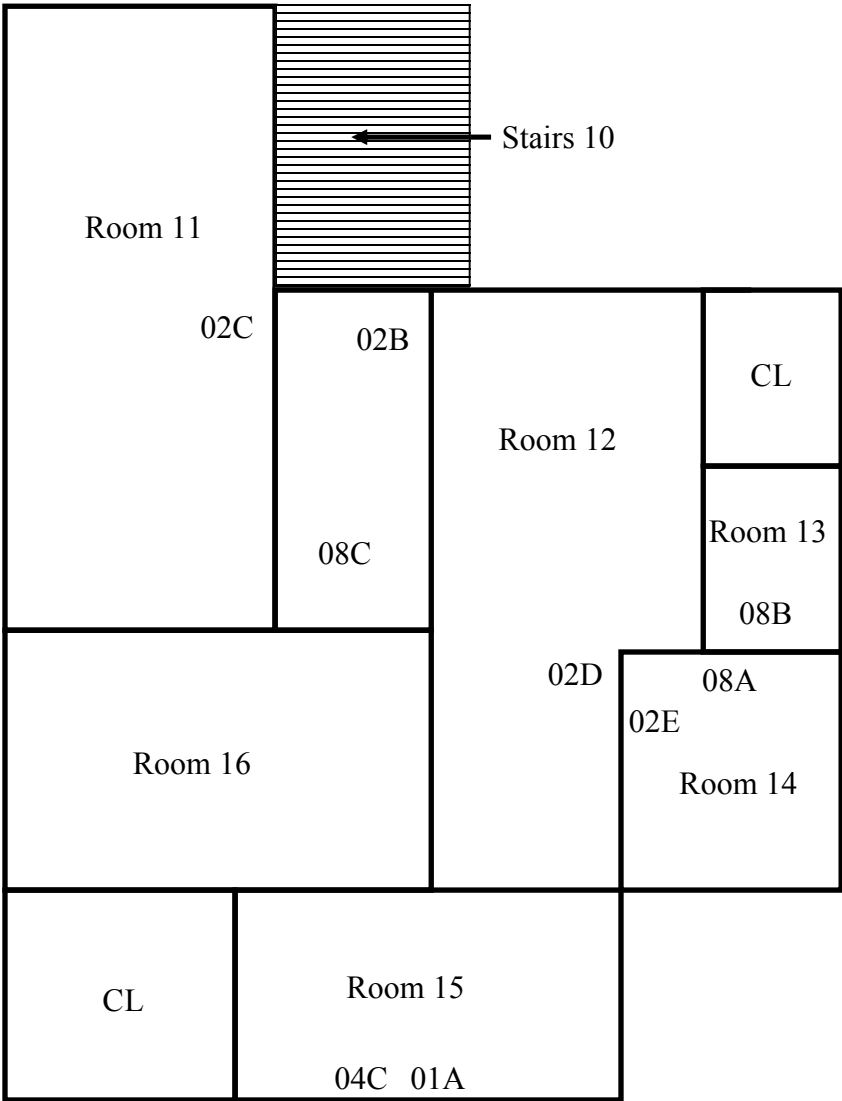


City of Lincoln Park
224363



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.





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. Window Glaze



Pos. Transite



Pos. Basement Window Glaze

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 (MIOSHA) [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)