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Asbestos Survey



Prepared for

Homeowner

Date of Survey: October 21, 2015

Property address: Street address

City, NY 12733

At the request of Homeowner, an asbestos survey was performed by Kahn Home Inspectors. The purpose of this survey was to perform a visual inspection of accessible interior space at this location in order to identify asbestos containing materials within the facility, document suspected materials, collect bulk sampling and prepare a report summarizing the results of the inspection and sample analysis.

Introduction:

Asbestos is a natural mineral, interwoven into literally thousands of products to enhance strength and durability. Collectively, these are referred to as asbestos-containing material (ACM.)

Health risks associated with pulmonary diseases are caused when asbestos becomes airborne (friable) and is inhaled.

Testing for asbestos before demolition or renovations is vital for identifying ACM containing material and protect all those involved.

Scope of Inspection:

The subject site where this assessment was conducted was located at Street Address, City, NY 12733. The structure was a two story wood-framed home. It included a full unfinished basement with an enclosed ceiling. The roofing system consisted of asphalt shingles. The walls in the structure were wood paneling. The floors consisted of wood, carpet and laminate materials. The visible insulation materials consisted of fiberglass and cellulous. The home was vacant at the time of the inspection. There was a 2 car detached garage also included in the survey.

This survey included a close visual inspection of all accessible areas of the home and detached garage. Samples of materials that were suspected of containing asbestos were taken from various parts of the home and sent to the EMSL approved ELAP laboratory for testing. Sampling areas are grouped together if they are homogenous. Homogenous is defined as a substance similar in appearance and texture.

Standards for collecting samples were followed as required by the EPA and NYS DOL:

- a) A minimum of 2 samples of suspected materials from each Homogenous miscellaneous areas.
- b) 3 minimum samples of suspected materials from each Homogenous – TSI (Thermal System Insulation)
- c) Minimum sampling of “S” surfacing materials depending on the square footage area.

The laboratory (EMSL) analyzed these samples using a polarized-light microscopy (PLM.) This method allows each layer of multi-layered material to be analyzed separately. Some materials which were Non-friable, Organically Bound Materials (NOB) are fabricated through milling asbestos fibers into to extremely small fibers that may go undetected using the PLM method required the use of a Transmission electron microscopy (TEM.)

Asbestos containing materials (ACM) is defined as any materials containing more than 1% of asbestos content. Substances less than 1% are considered as non-ACM and are thus stated in the report as not containing Asbestos materials.

Evaluation for friability is noted as *FRIABLE*. Friability is the ability that the ACM can become air borne (friable) by crumbling, pulverizing or reducing asbestos containing material to powder by hand pressure.

The condition of materials was only evaluated for friability and not for disturbance classification, as the intent of this survey was for the purpose of demolition only.

Sample #	Description	Location	Type of Analysis	Results – % Asbestos found
A1	MORTAR/ CEMENTITIOUS <i>FRIABLE</i>	BOILER FLUE - BASEMENT	PLM	ASBESTOS 21.10% Chrysotile
A2	MORTAR/ CEMENTITIOUS	BOILER FLUE - BASEMENT	PLM	NONE DETECTED
A3	MORTAR/ CEMENTITIOUS	BOILER FLUE - BASEMENT	PLM	NONE DETECTED
B1	FIREBRICK	BOILER FLUE - BASEMENT	PLM	NONE DETECTED
B2	FIREBRICK	BOILER FLUE - BASEMENT	PLM	NONE DETECTED
B3	FIREBRICK	BOILER FLUE - BASEMENT	PLM	NONE DETECTED
C1	GLAZING/ CAULKING	MAIN FLOOR - LEFT ROOM - FRONT	PLM & TEM	NONE DETECTED
C2	GLAZING/ CAULKING	MAIN FLOOR - LEFT ROOM - FRONT	PLM& TEM	NONE DETECTED
D1	INSULATION FACE/ PAPER	ATTIC	PLM & TEM	NONE DETECTED
D2	INSULATION FACE/ PAPER	ATTIC WALL	PLM & TEM	NONE DETECTED
E1	ASPHALT SHINGLES	REAR ROOF	PLM & TEM	NONE DETECTED
E2	ASPHALT SHINGLES	REAR ROOF	PLM & TEM	NONE DETECTED
F1	ASPHALT SHINGLES	FRONT ROOF	PLM & TEM	NONE DETECTED
F2	ASPHALT SHINGLES	FRONT ROOF	PLM & TEM	NONE DETECTED
G1	STARTER COURSE / FELT	REAR ROOF	PLM & TEM	NONE DETECTED
G2	STARTER COURSE / FELT	FRONT ROOF	PLM & TEM	NONE DETECTED
H1	ASPHALT SHINGLE	GARAGE RIGHT ROOF	PLM & TEM	NONE DETECTED
H2	STARTER COURSE/ FELT	GARAGE RIGHT ROOF	PLM & TEM	NONE DETECTED
I1	ASPHALT SHINGLE	GARAGE LEFT ROOF	PLM & TEM	NONE DETECTED
I2	STARTER COURSE/ FELT	GARAGE LEFT ROOF	PLM & TEM	NONE DETECTED
J1	WINDOW GLAZING	GARAGE LEFT WINDOW	PLM & TEM	NONE DETECTED
J2	WINDOW GLAZING <i>FRIABLE</i>	GARAGE RIGHT WINDOW	PLM & TEM	ASBESTOS 5.6% Chrysotile

The table demonstrates that a total of 22 samples were taken for laboratory analysis.

ACM was found at the following locations.

Sample #	Description	Location	Type of Analysis	Results – % Asbestos found
A1	MORTAR/ CEMENTITIOUS <i>FRIABLE</i>	BOILER FLUE - BASEMENT	PLM	ASBESTOS 21.10% Chrysotile
J2	WINDOW GLAZING <i>FRIABLE</i>	GARAGE RIGHT WINDOW DOOR	PLM & TEM	ASBESTOS 5.6% Chrysotile

We recommend that a licensed NYS Asbestos contractor remove all the ACM materials.

No warranty is made that all asbestos has been found.

This inspection report is true to the best of my knowledge.

DOVBER KAHN

10/21/2015

FILE NUMBER: 15-83757

APPENDIX:

Chain of Custody.

Lab results.