

MICHIGAN

CONSULTING & ENVIRONMENTAL



Asbestos Survey Report (Garage)



Site:

Vacant Buildings
9434 Terry Street,
Lake, MI 48632
MCE Project No. 70154

Prepared For:

Clare County Land Bank Authority
225 W. Main Street
Harrison, MI 48625

Date: August 27, 2024



August 27, 2024

Ms. Jenny Beemer-Fritzinger
Clare County Land Bank Authority
225 W. Main St.,
Harrison, MI 48625

Delivered by Email

**Re: Asbestos Building Inspection
Garage on Property
9434 Terry St., Lake, MI 48632
MCE Project Number 70154**

Dear Ms. Beemer-Fritzinger,

Michigan Consulting & Environmental (MCE) conducted an asbestos inspection at the above referenced property on August 12, 2024. The survey consisted of the interior and exterior portion of a vacant one-story garage building which is approximately 530 square feet (sq. ft.) in size. A second vacant residential building is also located on the site but had previously had an asbestos survey completed on September 29, 2022 by Mid-State Asbestos Removal, Inc. The testing was completed prior to the planned demolition of both buildings on the property.

The sampling was conducted in accordance with the Environmental Protection Agency (EPA) requirements as defined in the Federal Regulation 40 CFR Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP) guidelines in order to assess the presence of regulated asbestos containing materials (RACM). This is done by conducting an Asbestos Building Survey prior to renovation or demolition to identify the location and estimate the extent and quantities of asbestos containing material (ACM) present in the survey area. RACM is defined as ACBM that is *"Friable asbestos material or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, or been pulverized or reduced to powder in the course of demolition or renovation operations."*

The survey was completed by Mr. Jacob Cadle, a State of Michigan Accredited Asbestos Building Inspector (Accreditation Number A59674) and Dan Nida a State of Michigan Accredited Asbestos Building Inspector (Accreditation Number A59675). A total of eighteen (18) samples were collected from six (6) different types of homogeneous building materials from the garage, labeled with the abbreviation 9434 MM-(homogenous material number)-(Sample Number) and abbreviation 9434 TSI (thermal system insulation number)-(Sample Number).

Materials tested included:

- 9434 MM-1: Black Roof Shingle
- 9434 MM-2: White Exterior Siding
- 9434 TSI-1: Grey Insulation
- 9434 TSI-2: Yellow Insulation
- 9434 MM-3: Plywood Siding w/Mastic
- 9434 MM-4: Concrete Floor

Samples were analyzed at Apex Research Incorporated (Apex) for asbestos using polarized light microscopy (PLM) of bulk materials by EPA 600.R-93/116. Apex is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the analysis of asbestos in bulk samples by PLM (NVLAP Lab Code 102118-0). A copy of the Apex laboratory analysis report and chain of custody has been included with this letter.

PLM analysis did **not detect** asbestos in any of the samples submitted for analysis.

Thank you for giving MCE the opportunity to provide our services on this project. Please contact me at 269-252-7454 if you have any questions.

Respectfully,
Michigan Consulting and Environmental, Inc.



Jacob Cadle
MI Accredited Building Inspector A59674

Reviewed By



Raymond Brege
Building Inspector A52433

Attachments

Laboratory Analysis Report

Laboratory Analysis Report

Apex Research

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project: 9434 Terry Street, Lake, MI 48632
 Project #: 70154.2



Report To:

Mr. Jake Cadle
 Clare County Land Bank Authority
 225 W. Main St.
 Harrison, MI 48625

ARI Report # 24-112577
 Date Collected: 08/12/24
 Date Received: 08/13/24
 Date Analyzed: 08/16/24
 Date Reported: 08/19/24

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 01 Cust. #: 9434 MM 1-1 Material: Black Roof Shingle Location: Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 112577 - 02 Cust. #: 9434 MM 1-2 Material: Black Roof Shingle Location: Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 112577 - 03 Cust. #: 9434 MM 1-3 Material: Black Roof Shingle Location: Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

APEX Research Inc., 7717 Kensington Ct., Brighton, MI 48116
 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 04 Cust. #: 9434 MM 2-1 Material: White Exterior Siding Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 05 Cust. #: 9434 MM 2-2 Material: White Exterior Siding Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 06 Cust. #: 9434 MM 2-3 Material: White Exterior Siding Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 07 Cust. #: 9434 TSI 1-1 Material: Grey Insulation Location: Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 85% Other - 15%
Lab ID #: 112577 - 08 Cust. #: 9434 TSI 1-2 Material: Grey Insulation Location: Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 85% Other - 15%
Lab ID #: 112577 - 09 Cust. #: 9434 TSI 1-3 Material: Grey Insulation Location: Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 85% Other - 15%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 10 Cust. #: 9434 TSI 2-1 Material: Yellow Insulation Location: Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 112577 - 11 Cust. #: 9434 TSI 2-2 Material: Yellow Insulation Location: Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 112577 - 12 Cust. #: 9434 TSI 2-3 Material: Yellow Insulation Location: Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 13 Cust. #: 9434 MM 3-1 Material: Plywood Siding Location: Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 112577 - 13a Cust. #: 9434 MM 3-1 Material: Mastic Location: Appearance: brown, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 14 Cust. #: 9434 MM 3-2 Material: Plywood Siding Location: Appearance: brown, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 14a Cust. #: 9434 MM 3-2 Material: Mastic Location: Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 15 Cust. #: 9434 MM 3-3 Material: Plywood Siding Location: Appearance: brown,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 112577 - 15a Cust. #: 9434 MM 3-3 Material: Mastic Location: Appearance: brown,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 112577 - 16 Cust. #: 9434 MM 4-1 Material: Concrete Floor Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 17 Cust. #: 9434 MM 4-2 Material: Concrete Floor Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 112577 - 18 Cust. #: 9434 MM 4-3 Material: Concrete Floor Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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