

ST. CLAIR COUNTY HEALTH DEPARTMENT

**ASBESTOS INSPECTION REPORT
FOR THE PROPERTY LOCATED AT:**

**505 Helen Street
Algonac, MI 48001**

Prepared For:

City of Algonac
805 St. Clair River Drive
Algonac, MI 48001
(810) 794-5611

Report Prepared and Submitted by:

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St. Clair County Health Department
3415 28th Street
Port Huron, MI 48060
(810) 987-5306

Date of Inspection:

October 21, 2015

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1.0 GENERAL PROVISIONS

1.1_ Introduction

Kevin McNeill of the **St. Clair County Health Department** conducted an Asbestos Inspection at 505 Helen Street, Port Huron, Michigan, 48060 on October 21, 2015. Kevin McNeill is a certified Asbestos Inspector through the State of Michigan Department Labor and Economic Growth / Michigan Occupational Safety & Health Administration Asbestos Program, Certification No. A13414. The owner of this vacant property is the City of Algonac, located at 805 St. Clair River Drive, Algonac, Michigan, 48001. The telephone number for the City of Algonac is (810) 794-5611.

1.2 Purpose

The Environmental Protection Agency (EPA) National Emission Standards for Hazardous Air Pollutants (NESHAP) requires that a thorough asbestos inspection be conducted for all renovations and all demolitions. All asbestos inspections must be completed before the commencement of a subject renovation and/or demolition activity, and the contractor performing the inspection must be listed on the joint DEQ/DLEG ANotification of Intent to Renovate/Demolish@ form.

The purpose of this asbestos survey was to determine the existence and locations of (ACM) Asbestos Containing Material at the subject property. Asbestos Containing Material can be classified in the following categories:

1. Category I Non-Friable Asbestos Containing Material:
asbestos containing packings, gaskets, resilient floor coverings and asphalt roofing products containing more than 1 percent asbestos.
2. Category II Non-Friable Asbestos Containing Material:
any material excluding category I non-friable asbestos containing materials containing more than 1 percent asbestos that when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure.
3. Friable Asbestos Containing Material:
any material containing more than 1 percent asbestos, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
4. Non-Friable Asbestos Containing Material
any material containing more than 1 percent asbestos that when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure.
5. Regulated Asbestos Containing Material (RACM)
 - (a) friable asbestos material
 - (b) Category I non-friable ACM that has become friable
 - (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading
 - (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations

2.0 ASBESTOS INSPECTION & BULK SAMPLING PROCEDURES

Samples of Possible Asbestos Containing Material (if collected) were analyzed by Environmental Hazards Services, L.L.C. located at 7469 White Pine Road, Richmond, VA 23237 (804-275-4788). Environmental Hazards Services, L.L.C. participates in the Environmental Lead Proficiency Analytical Testing (ELPAT) quality control rounds and is approved by the National Lead Laboratory Accreditation Program (NLLAP).

The asbestos inspection procedures are based on the guidelines established by the Asbestos Hazardous Emergency Response Act (AHERA), as set forth in 40 CFR Part 763 and the EPA NESHAP Regulations. These guidelines represent the most up-to-date inspection and sampling protocol available and as such were utilized during the inspection and sampling. For the purposes of this inspection, suspect ACM has been placed in three (3) material categories: Thermal Systems Insulation (TSI), Surfacing Materials and Miscellaneous Materials.

All accessible areas of the subject property were inspected physically, functional space by functional space and homogeneous area-by homogeneous area to determine the presence or absence of asbestos containing materials.

Suspect materials that may be present in wall cavities, electrical wiring or which were otherwise inaccessible were not included in the scope of this inspection. Core samples of friable and non-friable suspect materials were collected by penetrating the suspect material to its substrate. The bulk samples collected were placed in sealed containers labeled with an identifying code and a sample log was kept. Representative samples of each sampling area were then submitted to Environmental Hazards Services, L.L.C. for analysis for asbestos content. The inspection involved the following tasks:

1. A visual determination as to the extent of visible and accessible suspect materials and conditions of the material.
2. Collection of suspect building materials for asbestos content.
3. All suspect friable and non-friable materials were quantified in their respective locations.
4. All suspect materials sampled were identified on the appropriate building floor plan diagram with an identifying sample number.
5. A chain of custody record was prepared to accompany the bulk samples to the laboratory.

The assessment process includes classifying the material as Friable ACM or Non-friable ACM. Friable ACM is the term given to any material that contains more than one percent (1%) asbestos by weight and which can be crumbled, pulverized or reduced to powder by hand or mechanical pressure. The term Afriability@ refers to a material=s likeliness to release airborne fibers when in situ, or under mechanical pressure. There is a greater possibility that a friable material will release fibers into the air when disturbed than will a non-friable material (i.e., floor tiles, roofing materials, etc.) thereby causing a potential hazard.

The bulk sample of the suspect asbestos-containing materials collected were analyzed using Polar Light Microscopy (PLM) in accordance with EPA 600/M4-82-021 by Environmental Hazards Services, L.L.C. of Richmond, Virginia. The analysis involves microscopically observing the suspect asbestos containing materials with a low power stereo-scopic microscope to determine the homogeneity of the material.

3.0 RESULTS

The following is a summary of positively identified asbestos containing material:

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Room	Material	Material Type	Condition	Amount of ACM	Classification of ACM
Exterior	Window Glaze	Miscellaneous	Damaged	500 linear foot	Category I Non-friable ACM
Dining Room Bathroom NW Bedroom SW Bedroom	Floor Tile 12"x12" brown/tan vinyl	Miscellaneous	Damaged	275ft5	Category I Non-friable ACM

3.1 Limiting Conditions

None.

4.0 RECOMMENDED METHODS OF ABATEMENT

All identified asbestos containing building material which will either be abated/removed or patched/repaired **must** be done in accordance to all applicable Federal, State and local regulations.

5.0 CONCLUSIONS

Results of this Asbestos Survey indicate that asbestos containing material was identified during the course of this asbestos inspection.

The information contained in this report is a true and accurate representation of the conditions at the subject property at the time of the investigation, based on the professional judgement of the person(s) who conducted and reported this asbestos survey report:

Kevin McNeill
St. Clair County Health Department

**POSSIBLE ASBESTOS CONTAINING MATERIAL SAMPLING
LABORATORY RESULTS**

St. Clair County Health Department

St. Clair County Health Department Project #LEAD-080

**505 Helen Street
Algonac, MI 48001**

Date of Sampling: October 21, 2015

Sampled By: Kevin McNeill

SAMPLE ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	Friable or Non-Friable	STANDARD FOR ASBESTOS IDENTIFICATION	SAMPLE RESULT
AS1 / A	Exterior	Roofing Material	Non-Friable	1%	No Asbestos Detected
AS2 / A	Exterior	Window Glaze	Non-Friable	1%	2% Chrysotile Detected
AS3 / A	Dining Room Bathroom NW Bedrm SW Bedrm	Floor Tile 12"x12" brown/tan vinyl	Non-Friable	1%	2% Chrysotile Detected
AS3a / A	Dining Room Bathroom NW Bedrm SW Bedrm	Floor Tile Mastic	Non-Friable	1%	No Asbestos Detected
AS4 / A	Living Room	Drywall	Non-Friable	1%	No Asbestos Detected
AS5 / A	Kitchen	Drywall	Non-Friable	1%	No Asbestos Detected
AS6 / A	Bedroom 1	Drywall	Non-Friable	1%	No Asbestos Detected

**POSSIBLE ASBESTOS CONTAINING MATERIAL SAMPLING
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SAMPLE ID	SAMPLE LOCATION	SAMPLE DESCRIPTION	Friable or Non-Friable	STANDARD FOR ASBESTOS IDENTIFICATION	SAMPLE RESULT
AS7 / A	Bedroom 2	Drywall	Non-Friable	1%	No Asbestos Detected
AS8 / A	Bathroom	Drywall	Non-Friable	1%	No Asbestos Detected
AS9 / A	Attic	Floor Tile brown linoleum	Non-Friable	1%	No Asbestos Detected
AS9a / A	Attic	Floor Tile Mastic	Non-Friable	1%	No Asbestos Detected
AS10 / A	Attic Crawl Space	Insulation Material yellow rolled insulation material	Non-Friable	1%	No Asbestos Detected