



**Frenchtown Charter Township
Building Department**

2744 Vivian Road
Monroe, MI 48162
734-242-5900

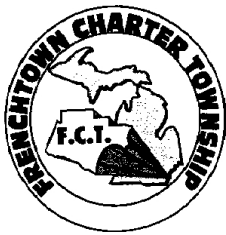
Frenchtown Charter Township will accept sealed bids until 2:00 p.m. Friday ^{July 9} ~~July 23,~~ 2021, at the Township Clerk's Office 2744 Vivian Road, Monroe MI 48162 at which time and place all bids will be publicly opened and read out loud for the demolition of the structure, at the following location.

5769 Nelson
Newport MI 48166
Parcel ID#935-145-00

Bid packages may be obtained from the Building Department at 2744 Vivian Road, Monroe County, Michigan, between 8:30 a.m. to 4:00 p.m. Monday-Friday or Under the Building Department tab on Frenchtown Charter Township's website.
(www.frenchtowntownship.org)

The Township has the right to reject any and all bids.

Joseph A. Lehmann
Frenchtown Charter Township
Building Department



**Frenchtown Charter Township
Building Department**

2744 Vivian Road
Monroe, MI 48162
734-242-5900

DEMO BID

I hereby agree and contract to demolish the following Structure(s) at:

Address: 5769 Nelson Drive **Parcel No:** 07 935 145 00
Newport, MI 48166

Special Conditions related to this site:

1. Remove shed, driveway, fence, porches and landscaping.
2. Remove all hazardous material listed on the attached report

The conditions are:

1. Contractor shall be licensed in the State of Michigan to perform demolitions.
2. Contractor shall have insurance that complies with Ordinance No. 152 Frenchtown Charter Township Contractor Insurance Requirements Ordinance. (This insurance requirement also applies for projects under \$10,000)
3. Obtain the required demolish permit(s) from the Township and comply with demolish regulations of Frenchtown Charter Township Ordinance. Section 30.01.2(f)
4. Proof of all utility terminations must be provided before issuance of demo permit.
5. All bids must include electrical, water, gas and sewer disconnect fees. It is the bidder's responsibility to contact these agencies for the cost involved.
6. Contractor shall supply a 10 % bid bond for any bid that exceeds \$20,000.00.
7. Include in your bid the cost of a hazardous materials survey. If materials are found a separate fee will be rewarded for removal.
8. Contractor shall obtain a Monroe County Soil Erosion Permit if necessary.
9. The site shall be posted with "NO TRESPASSING" signs and a minimum four (4) feet high snow fence or equivalent shall be provided around all sides of the site, except that where work is commenced and continued without any time interruption, the fence and signs may be omitted when approved by the Building Official.
10. Adequate protection to pedestrian traffic is required while demolition is in progress.
11. Contractor shall protect all neighboring properties from damage and shall bear full responsibility for restoring if damaged.
12. During the demolition contractor shall keep all work thoroughly wetted down to prevent the spread of dust.
13. Agree to complete these demolition(s) within 30 days of the issuance of a demolition permit.
14. All junk, rubbish, garbage, building materials, driveways, driveway approach, sidewalks, bushes, fences, garages, sheds, accessory structures, etc. are to be removed from the site. (When in question contact Building Official)
15. Where applicable, gas and water service shall be disconnected at the property line; septic tank systems shall be pumped and filled with sand; and water wells shall be properly capped. If municipal sanitary sewers serve the property, approval of the sanitary sewer disconnect shall be inspected by the Township Plumbing inspector.
16. Lot must be filled to a level grade (clean soil) with proper drainage so that water does not discharge onto adjoining properties, seeded and covered with straw.
17. Provide proof of proper disposal in a licensed facility before being paid.

My total bid for the above referenced item (s) is: \$ _____

The Township reserves the right to award all or any portions of this contract.

NAME _____ SIGNED _____

BIDS WILL BE ACCEPTED UNTIL: 2 pm. *July 9*
~~July 21~~, 2021



ASBESTOS PRE-DEMOLITION SURVEY

RESIDENTIAL PROPERTY

**LOCATED AT:
5769 NELSON DRIVE
NEWPORT, MICHIGAN**

PREPARED FOR:

Mr. Joseph A. Lehmann
Building Official
Frenchtown Charter Township
2744 Vivian Road
Monroe, MI 48162
734-242-5900
joe@frenchtmvnchartertwp.org

PREPARED BY:

TEK Environmental & Consulting Services, Inc.
9263 East M-36
Whitmore Lake, Michigan 48189

TEK Project Number: CI0044/1685

Date of Inspection: May 12, 2021

**ASBESTOS PRE-DEMOLITION SURVEY REPORT
FRENCHTOWN CHARTER TOWNSHIP**

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ASBESTOS PRE-DEMOLITION SURVEY REPORT FRENCHTOWN CHARTER TOWNSHIP

EXECUTIVE SUMMARY

TEK Environmental & Consulting Services, Inc. (TEK) was retained by Mr. Joseph A. Lehmann, on behalf of Frenchtown Charter Township, to perform an Asbestos Pre-Demolition Survey within the vacant residential property, located at 5769 Nelson Drive, Newport, Michigan. The purpose of the inspection was to identify asbestos containing materials within the facility, prior to demolition activities. The inspection and sample collection procedures were conducted by Mr. Tyler Lenling, of TEK, and licensed State of Michigan Asbestos Building Inspector, on May 12, 2021.

Suspect Building Materials identified during this inspection included materials listed below:

- Cream Stone Pattern Linoleum Flooring
- 12" x 12" Cream Ceiling Tile
- Dark Brown Glue Pod - 12" x 12" Ceiling Tile
- 12" x 12" Red Brick Pattern Floor Tile and Glue
- White Chimney Caulk
- Old Wood Siding Caulk
- White Window Frame Caulk
- Cream Stone Pattern Linoleum
- Cream/Tan Linoleum (Top Layer)
- Plasterboard Material
- Window Glazing
- Black House Roof Shingles
- Siding Caulk to Overhang Soffit
- Black Shed Roof Shingles
- Transite Exhaust Duct from Furnace
- Transite Exhaust Firestop
- Drywall Ceiling

The following materials tested **positive for asbestos content:**

- Cream Stone Pattern Linoleum Flooring
- **12" x 12" Red Brick Pattern Floor Tile** and Glue
- **White Chimney Caulk**
- **Old Wood Siding Caulk**
- **White Window Frame Caulk**
- Cream Stone Pattern Linoleum
- **Cream/Tan Linoleum (Top Layer)**
- Transite Exhaust Duct from Furnace

Locations of ACM materials and quantities are located in Table 2.

1.0 INTRODUCTION

TEK Environmental & Consulting Services, Inc. (TEK) was retained by Mr. Joseph A. Lehmann, on behalf of Frenchtown Charter Township, to perform an Asbestos Pre-Demolition Survey within the vacant residential property, located at 5769 Nelson Drive, Newport, Michigan. The purpose of the inspection was to identify asbestos containing materials within the facility, prior to demolition activities. The inspection and sample collection procedures were conducted by Mr. Tyler Lenling, of TEK, a licensed State of Michigan Asbestos Building Inspector, on May 12, 2021.

Tables and Figures summarize the survey information separately for the building. Table I - Homogeneous Area Materials List identifies homogeneous materials found in the building and identifies if these materials tested positive or negative for asbestos. Table 2 - Homogeneous Materials Sample Locations and Results, which provides information on where inspectors collected sample and the analytical results. Table 3 - Homogeneous Materials Sorted by Functional Space, which provides the location, description and quantities of materials testing positive for Asbestos. Table 4 - Homogeneous Material Sorted by HA, identifies material descriptions and applicable quantities however it is sorted by **homogeneous area material number**.

Elements of the asbestos building inspection were based on practices specified in Michigan Public Act 440 of 1988, U.S. Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA) standards and included the identification of homogeneous areas within the subject facilities, bulk sample collection of suspect materials, and laboratory analysis.

Field activities were performed by Accredited Asbestos Building Inspectors as recognized by the State of Michigan Department of Labor and Regulatory Affairs (LARA), who have met the requirements of Section 206 of the Toxic Substances Control Act and the Asbestos School Hazard Abatement Reauthorization Act (ASHARA). The Model Accreditation Plan (MAP) under ASHARA extends training and accreditation requirements to those individuals performing asbestos inspections in public, commercial and industrial buildings.

Applicable licensing and accreditation information is included in Attachment C. The goal of this asbestos survey is to provide an identification of Asbestos Containing Materials (ACM) in the subject structures. The information contained in this report can serve as a database for asbestos activities including abatement and Operation and Maintenance (O&M) program development.

**ASBESTOS PRE-DEMOLITION SURVEY REPORT
VACANT RESIDENTIAL PROPERTY**

2.0 APPLICABLE REGULATIONS

The following list highlights the primary federal regulations governing the asbestos inspection and abatement industry.

EPA 40 CFR 763-Asbestos- This regulation requires local education agencies to conduct inspections, sample suspect asbestos containing building materials (ACBM), assess the condition of the ACBM, develop and implement response action recommendations, and develop a plan for managing the materials,

OSHA 29 CFR 1926.1101 Construction Industry Standard for Asbestos - Covers asbestos exposure in work involving: (a) demolition or salvage of structures where asbestos is present, (b) removal or encapsulation of materials containing asbestos, (c) construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof, that contain asbestos, (d) disposal, storage, transportation, containment of and housekeeping activities associated with asbestos or products containing asbestos.

OSHA 29 CFR 1910.134 General Industry Standard for Respiratory Protection - Purpose proper use, fitting instructions, maintenance, care and limitations of respirators. Requires development of standard operating procedures and a written respirator program.

OSHA 29 CFR 1910.20 Access to Employee Exposure and Medical Records - Record keeping and employee access to records, including exposure monitoring information, medical surveillance and training records.

OSHA 29 CFR 1910.1200 Hazard Communication Standard - Requires employers to provide information to their employees about hazardous chemicals/materials to which they are exposed. This information is transmitted by means of a hazard communication program, labels and other forms of warning, material safety data sheets, and training.

EPA ASHARA Model Accreditation Plan (MAP) - Expands TSCA Section 206, specifically the training and accreditation requirements, to persons performing asbestos work in public and commercial buildings. Applicable to anyone who inspects for ACM, designs or conducts a response action with respect to friable ACM.

Department of Transportation (DOT) 49 CFR 171-178 - Includes requirements for classification of materials, packaging, hazard communication (package marking, labeling, placarding, and shipping documentation), transportation, handling and incident reporting,

Asbestos is classified as follows:

Proper Shipping Name:	Environmentally Hazardous Substance (Asbestos)
Special Provisions:	None
Hazard Class or Division:	9
I.D. Numbers:	NA 2212
Packing Group:	III
Label:	Class 9

EPA 40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants -Rules concerning the application, removal, and disposal of ACM. Also covers notification requirements to a regional NESHAP Coordinator which specifies quantities, project dates, description of planned removal methods, procedures to be used to comply with the requirements of the regulation, and disposal site information.

3.0 SAMPLING PLAN AND SAMPLE COLLECTION PROCEDURES

The objective of the asbestos survey investigation was to identify suspect visible and accessible asbestos-containing building materials (ACM) grouped by homogeneous materials and functional spaces. Mr. Tyler Lenling, of TEK, a licensed State of Michigan Asbestos Building Inspector, conducted a survey of the building on May 12, 2021. The following subsections describe the sampling plan and data collection phases of the survey.

3.1 Plan Review

One of the first steps in conducting an asbestos survey is to review building plans or specifications of the subject property to determine the construction type and materials used. However, specifications could be located at the time of inspection for the subject building.

3.2 Site Walk Through and Visual Survey

A site walk-through and visual survey was conducted to identify various suspect building materials. The inspection included the observation of wall and ceiling materials, flooring systems, various structural building components, utility/mechanical components and thermal system insulation.

3.3 Sampling Plan

Homogeneous areas of material appear uniform in texture and color, and appear identical in every other respect. Materials were categorized into one of the following three material types commonly known to contain asbestos: (1) surfacing material, (2) thermal system insulation, and (3) miscellaneous material. Each type contains many different and distinct variations. For classification purposes, each distinct material was assigned a unique identification number. Suspect homogeneous materials were also quantified within each building. Information regarding homogenous materials is located in Table 1 - Homogeneous Area Materials List.

**ASBESTOS PRE-DEMOLITION SURVEY REPORT
VACANT RESIDENTIAL PROPERTY**

According to the U.S. Environmental Protection Agency (EPA), asbestos materials are classified as friable, Category I nonfriable or Category II nonfriable in 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPS). The NESHAPS classes are defined as follows:

"Friable asbestos material" - any material containing greater than one percent(>1%) asbestos that when dry can be crumbled, pulverized, or reduced to powder by hand pressure.

"Category I non-friable ACM" - means asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing products containing greater than one percent(>1%) asbestos.

"Category II non-friable ACM" - means any non-friable material, excluding Category I non-friable ACM, containing greater than one percent(>1%) asbestos.

3.4 Sample Collection

Sampling procedures were performed in an Asbestos Hazard Emergency Response Act, 40 CFR Part 763 (AHERA), by a State of Michigan licensed asbestos inspector. A total of 17 samples were collected during the survey. Of the 17 samples, the EPA Certified Laboratory identified nineteen (19) additional layers, resulting in a total of 36 samples analyzed for asbestos content. Materials identified during this inspection can be found in Table I.

Random sampling methods were conducted in a manner to minimize unnecessary building material damage and to avoid disturbance of building occupants. When feasible, samples were collected on materials that exhibited signs of damage.

This survey excluded inaccessible or hidden areas that could not be viewed without destructive access, such as above fixed ceilings, materials located within equipment, or inside or behind walls. There may be materials located within equipment, behind walls, or above ceilings which are not accessible and therefore, not identified or quantified during the survey. Details about sample collection locations and results of samples are located in Table 2 - Homogeneous Materials Sample Locations and Results.

3.5 Sample Analysis

Samples of suspect ACM were submitted to Apex Research, Inc. an EPA accredited laboratory, for analysis by Polarized Light Microscopy (PLM) method EPA 600/R-93/116. A material is considered positive for asbestos is present in an amount greater than 1 percent. Laboratory analytical reports and chain-of-custody forms are included in Appendix A.

4.0 SURVEY RESULTS

A material that is positive for asbestos means that asbestos was present in the material in the amount of greater than 1% by weight. Materials that tested positive can be found in Table 2 with locations and quantities.

5.0 CONCLUSION

All ACM that will be impacted by any future renovations or demolition must be removed prior to any work by a licensed State of Michigan Asbestos Abatement Contractor. Furthermore, abatement activities must be conducted in compliance with all applicable regulations, standards and generally accepted environmental and safety practices.

6.0 SURVEY LIMITATIONS

TEK inspected the building(s) as thoroughly as possible without impacting the exterior envelope of the building. TEK has attempted to investigate the existing conditions within the subject building using standard professional procedures. This asbestos survey is intended to identify asbestos-containing materials associated with planned demolition processes.

Regardless of the thoroughness of an asbestos survey, it is possible that some materials were inaccessible or electrically energized during inspection procedures. Such areas may include mechanical equipment, underground pipe chases/trenches, pipe insulation in masonry walls, etc. Planned demolition activities may expose unidentified materials hidden in walls, under concrete slab floors, pipe chases, etc. If newly identified suspect materials are discovered during demolition /abatement, workers must stop all work that may impact or damage the material and the material should be evaluated by TEK Environmental and sampled prior to disturbance and/or removed by a licensed abatement contractor.

It is noted that quantities and locations of ACM's may have been approximated because of facility constraints (i.e., inaccessible ceiling and wall areas, etc.) Therefore, the responsibility for the confirmation of quantities is required to be established by the contractor during the bidding processes.

7.0 OTHER ENVIRONMENTAL REGULATED ITEMS

It is understood that the demolition contractor must remove any other items of environmental interest in the building prior to demolition. Items such as all fluorescent light tubes/ ballasts, thermostats, exit signs, and any petroleum-based products. These items shall be handled and disposed of as hazardous materials prior to building demolition.

TEK Environmental & Consulting Services, Inc. is pleased to provide Professional Environmental Consulting Services to you. Should you have any questions regarding this information, please feel free to contact the office at 734.878.5588.

Report prepared by:



Tyler S. Lenling, VP
Senior Project Manager
MI Accredited Building Inspector #A13413

EXHIBITS

TABLE 1

Homogeneous Area Materials List

Table 1
Homogeneous Area Materials List
TEK Project#: CI0044/1 685

HOMOGENEOUS AREAS		RESULTS
HA#	MATERIAL DESCRIPTION	PLM ANALYTICAL
001	Cream Stone Pattern Linoleum Flooring	Chrysotile 15%
002	12" x 12" Cream Ceiling Tile	NAO
003	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	Chrysotile <1%
004	12" x 12" Red Brick Pattern Floor Tile and Glue	Floor Tile= Chrysotile - 5% Glue NAD
005	White Chimney Caulk	Chrysotile 5%
006	Old Wood Siding Caulk	Chrysotile 2%
007	White Window Frame Caulk	Chrysotile 5%
008	Cream Stone Pattern Linoleum	Chrysotile 15%
009	Cream Linoleum (Top Layer)	Chrysotile 15%
010	Plasterboard Material	NAD
011	Window Glazing	NAD
012	Black House Roof Shingles	NAD
013	Siding Caulk to Overhang Soffit	NAD
014	Black Shed Roof Shingles	NAD
015	Transite Exhaust Duct from Furnace	Chrysotile 15% Crocidolite - 2%
016	Transite Exhaust Firestop	NAD
017	Drywall Ceiling	NAD

Key: NAD = No Asbestos Detected

Shaded rows indicate materials that are assumed or tested positive for asbestos.

TABLE2

Homogeneous Materials Sample Locations
and Results

Table 2
Homogeneous Materials Sample Locations and Results
TEK Project#: CI0044/1685

HOMOGENEOUS AREAS		BULK SAMPLE LOCATIONS		ANALYTICAL
HA#	MATERIAL DESCRIPTION	SAMPLE#	SAMPLE LOCATION	PLMRESULTS
001-A	Cream Stone Pattern Linoleum Flooring	001	1st Floor - Bathroom	Chrysotile 15%
001-B	Cream Stone Pattern Linoleum FloOring	001	1st Floor - Bathroom	NIA
002-A	12" x 12" Cream Ceiling Tile	002	1st Floor- Bathroom	NAD
002-B	12" x 12" Cream Ceiling Tile	002	1st Floor - Bathroom	NAD
003-A	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	003	Utility Room	Chrysotile <1%
003-B	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	003	Kitchen	Chrysotile <1%
004-A	12" x 12" Red Brick Pattern Floor Tile and Glue	004	Back Entry	Floor Tile= Chrysotile - 5% Glue=NAD
004-B	12" x 12" Red Brick Pattern Floor Tile and Glue	004	Back Entry	N/A,NAD
005-A	White Chimney Caulk	005	Exterior- West	Chrysotile 5%
005-B	White Chimney Caulk	005	Exterior- West	NIA
006-A	Old Wood Siding Caulk	006	Exterior - West	Chrysotile 2%
006-B	Old Wood Siding Caulk	006	Exterior- West	NIA
007-A	White Window Frame Caulk	007	Exterior- West	Chrysotile 5%
007-B	White Window Frame Caulk	007	Exterior- West	NIA
008-A	Cream Stone Pattern Linoleum	008	Kitchen	Chrysotile 15%

Table 2
Homogeneous Materials Sample Locations and Results
TEK Project#: CI0044/1685

HOMOGENEOUS AREAS		BULK SAMPLE LOCATIONS		ANALYTICAL
HA#	MATERIAL DESCRIPTION	SAMPLE#	SAMPLE LOCATION	PLMRESULTS
008-B	Cream Stone Pattern Linoleum	008	Dining Room	NIA
009-A	Cream/Tan Linoleum (fop Layer)	009	Kitchen	Chrysotile - 15%
009-B	Cream/Tan Linoleum (fop Layer)	009	Dining Room	NIA
010-A	Plasterboard Material	010	Back Entry	NAD
010-B	Plasterboard Material	010	Kitchen	NAD
010-C	Plasterboard Material	010	Kitchen	NAD
011-A	Window Glazing	011	Crawl - Westside	NAD
011-B	Window Glazing	011	Crawl - Westside	NAD
012-A	Black House Roof Shingles	012	Exterior	NAD
012-B	Black House Roof Shingles	012	Exterior	NAD
013-A	Siding Caulk to Overhang Soffit	013	Exterior	NAD
013-B	Siding Caulk to Overhang Soffit	013	Exterior	NAD
014-A	Black Shed Roof Shingles	014	Exterior	NAD
014-B	Black Shed Roof Shingles	014	Exterior	NAD
015-A	Transite Exhaust Duct from Furnace	015	BaSement	Chrysotile - 10% Crocidolite - 2%
015-B	Transite Exhaust Duct from Furnace	015	Basement	NIA

Table 2
 Homogeneous Materials Sample Locations and Results
 TEK Project#: CI0044/1685

HOMOGENEOUS AREAS		BULK SAMPLE LOCATIONS		ANALYTICAL
HA#	MATERIAL DESCRIPTION	SAMPLE#	SAMPLE LOCATION	PLMRESULTS
016-A	Transite Exhaust Firestop	016	Basement	NAD
017-A	Drywall Ceiling	017	2nd Floor at Stair	NAD
017-B	Drywall Ceiling	017	2nd Floor at Stair	NAD

Key: NAO= No Asbestos Detected **NIA**= Not Analyzed
 Shaded rows indicate materials that are assumed or tested positive for asbestos.

TABLE3

Homogeneous Materials Sorted by Functional Space

Table3
Homogeneous Materials Sorted by Functional Space
TEK Project#: CI004411685

FS#	Location	Material Description	HA#	Asbestos Containing YIN	Total Quantity of ACM	Unit
01	1st Floor- Bathroom	Cream Stone Pattern Linoleum Flooring	01-A	Y	TBD	
01	1st Floor- Bathroom	Cream Stone Pattern Linoleum Flooring	01-B	Y		
02	1st Floor - Bathroom	12" x 12" Cream Ceiling Tile	02-A	N	NIA	NIA
02	1st Floor - Bathroom	12" x 12" Cream Ceiling Tile	02-B	N	NIA	NIA
03	Utility Room	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	03-A	N	NIA	NIA
03	Kitchen	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	03-B	N	NIA	NIA
04	Back Entry	12" x 12" Red Brick Pattern Floor Tile and Glue	04-A	Y	TBD	
04	Back Entry	12" x 12" Red Brick Pattern Floor Tile and Glue	04-B	Y		
05	Exterior- West	White Chimney Caulk	05-A	Y	TBD	
05	Exterior- West	White Chimney Caulk	05,B	Y		
06	Exterior- West	Old Wood Siding Caulk	06-A	Y	TBD	
06	Exterior- West	Old Wood Siding Caulk	06-B	Y		
07	Exterior- West	White Window Frame Caulk	07-A	Y	TBD	
07	Exterior- West	White Window Frame Caulk	07-B	Y		
08	Kitchen	Cream Stone Pattern Linoleum	08-A	Y	TBD	
08	Dining Room	Cream Stone Pattern Linoleum	08-B	Y		
09	Kitchen	Cream/Tan Linoleum (Top Layer)	09-A	Y	TBD	
09	Dining Room	Cream/Tan Linoleum (Top Layer)	09-B	Y		
10	Back Entry	Plasterboard Material	10-A	N	NIA	NIA
10	Kitchen	Plasterboard Material	10-B	N	NIA	NIA
10	Kitchen	Plasterboard Material	10-C	N	NIA	NIA
II	Crawl - Westside	Window Glazing	II-A	N	NIA	NIA
11	Crawl - Westside	Window Glazing	11-B	N	NIA	NIA
12	Exterior	Black House Roof Shingles	12-A	N	NIA	NIA
12	Exterior	Black House Roof Shingles	12-B	N	NIA	NIA
13	Exterior	Siding Caulk to Overhang Soffit	13-A	N	NIA	NIA
13	Exterior	Siding Caulk to Overhang Soffit	13-B	N	NIA	NIA

Table 3
Homogeneous Materials Sorted by Functional Space
TEK Project#: CI0044/168"

FS#	Location	Material Description	HA#	Asbestos Containing Y/N	Total Quantity of ACM	Unit
14	Exterior	Black Shed Roof Shingles	14-A	N	NIA	NIA
14	Exterior	Black Shed Roof Shingles	14-B	N	NIA	NIA
15	Basement	Transite Exhaust Duct from Furnace	15-A	Y	TBD	
15	-Basement	Transite Exhaust Duct from Furnace	15-B	Y		
16	Basement	Transite Exhaust Firestop	16-A	N	NIA	NIA
17	2nd Floor at Stair	Drywall Ceiling	17-A	N	NIA	NIA
17	2nd Floor at Stair	Drywall Ceiling	17-B	N	NIA	NIA

TABLE4

Homogeneous Materials Sorted by **HA**

Table 4
Homogeneous Materials Sorted by HA
 TEK Project#: CI004411685

HA#	Material Description	FS#	Location	Asbestos Containing Y/N	Total Quantity of ACM	Unit
01-A	Cream Stone Pattern Linoleum Flooring	01	1st Floor - Bathroom	y	TBD	
01-B	Cream Stone Pattern Linoleum Flooring	01	1st Floor - Bathroom	y		
02-A	12" x 12" Cream Ceiling Tile	02	1st Floor - Bathroom	N	NIA	NIA
02-B	12" x 12" Cream Ceiling Tile	02	1st Floor - Bathroom	N	NIA	NIA
03-A	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	03	Utility Room	N	NIA	NIA
03-B	Dark Brown Glue Pod - 12" x 12" Ceiling Tile	03	!Utchen	N	NIA	NIA
04-A	12" x 12" Red Brick Pattern Floor Tile and Glue	04	Back Entry	y	TBD	
04-B	12" x 12" Red Brick Pattern Floor Tile and Glue	04	Back Entry	y		
05-A	White Chimney Caulk	05	Exterior - West	y	TBD	
05-B	White Chimney Caulk	05	Exterior - West	y		
06-A	OldWood Siding Caulk	06	Exterior - West	y	TBD	
06-B	. Old Wood Siding Caulk	06	Exterior - West	y		
07-A	White Window Frame Caulk	07	Exterior - West	y	TBD	
07-B	White Window Frame Caulk	07	Exterior - West	y		
08-A	Cream Stone Pattern Linoleum	08	Kitchen	y	TBD	
08-B	Cream Stone Pattern Linoleum	08	Dining Room	y		
09-A	Cream/Tan Linoleum (Top Layer)	09	Kitchen	y	TBD	
09-B	Cream/fan Linoleum (Top Layer)	09	Dining Room	y		
10-A	Plasterboard Material	10	Back Entry	N	NIA	NIA
10-B	Plasterboard Material		Kitchen	N	NIA	NIA
10-C	Plasterboard Material	10	Kitchen	N	NIA	NIA
11-A	Window Glazing	11	Crawl - Westside	N	NIA	NIA
11-B	Window Glazing	11	Crawl - Westside	N	NIA	NIA
12-A	Black House Roof Shingles	12	Exterior	N	NIA	NIA

Table 4
Homogeneous Materials Sorted by HA
 TEK Project#: CI004411685

HA#	Material Description	FS#	Location	Asbestos Containing <i>YIN</i>	Total Quantity of ACM	Unit
12-B	Black House Roof Shingles	12	Exterior	N	<i>NIA</i>	<i>NIA</i>
13-A	Siding Caulk to Overhang Soffit	13	Exterior	N	<i>NIA</i>	<i>NIA</i>
13-B	Siding Caulk to Overhang Soffit	13	Exterior	N	<i>NIA</i>	<i>NIA</i>
14-A	Black Shed Roof Shingles	14	Exterior	N	<i>NIA</i>	<i>NIA</i>
14-B	Black Shed Roof Shingles	14	Exterior	N	<i>NIA</i>	<i>NIA</i>
15-A	Transite Exhaust Duct from Furnace	15	Basement	Y	TBD	
15-B	Transite Exhaust Duct from Furnace	15	Basement	Y		
16-A	Transite Exhaust Firestop	16	Basement	N	<i>NIA</i>	<i>NIA</i>
17-A	Drywall Ceiling	17	2nd Floor at Stair	N	<i>NIA</i>	<i>NIA</i>
17-B	Drywall Ceiling	17	2nd Floor at Stair	N	<i>NIA</i>	<i>NIA</i>

Key: NAD = No Asbestos Detected NA= Not Analyzed / Shaded rows indicate materials that are assumed or tested positive for asbestos.

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
 Project : 5769 Nelson Dr., Newport, MI.
 Project# :CI0044/1685 - Entire House Crawl/2nd Floor



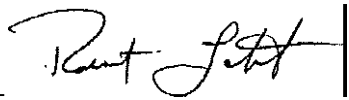
Report To:

Mr. Tyler Lenling
 TEK Environmental & Consulting Services, Inc.
 9263 E. M-36
 Whitmore Lake, MI 48189

ARI Report# 21-94277
 Date Collected: 05/12/21
 Date Received: 05/13/21
 Date Analyzed: 05/17/21
 Date Reported: 05/18/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 01 Cust. #: 001A Material: Linoleum Flooring/Cream Stone Location: 1st Fl. Bath. Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 15%	Other - 85%
Lab ID#: 94277 - 02 Cust. #: 001B Material: Linoleum Flooring/Cream Stone Location: 1st Fl. Bath. Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID#: 94277 - 03 Cust. #: 002A Material: 12"x12" Ceiling Tile/Cream Location: Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 90% Other - 10%

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. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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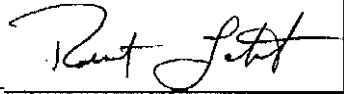
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 04 Cust. #: 002B Material: 12"x12" Ceiling Tile/Cream Location: Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 90% Other - 10%
Lab ID#: 94277 - 05 Cust. #: 003A Material: Dark Brown GP/12"x12" CT. Location: Utility Room Appearance: brown, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Other - >99%
Lab ID#: 94277 - 06 Cust. #: 003B Material: Dark Brown GP/12"x12" CT. Location: Kitchen Appearance: brown, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Other - >99%

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


 Robert T. Letarte Jr., Laboratory Director

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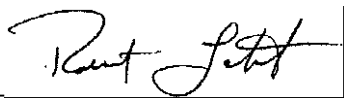


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Sample Information	Asbestos Type/Percent	Non -Asbestos Material
Lab ID#: 94277 - 07 Cust. #: 004A Material: 12"xl 2" FT. Red Brick Pattern Location: Back En!Iy (Red) Appearance: red,fibrous,homogenous Layer: 1 of 2	Asbestos Present: YES Chrysotile - 5%	Other- 95%
Lab ID#: 94277 - 07a Cust. #: 004A Material: Glue Location: Back Entry (Red) Appearance: yellow,nonfibrous,hornogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID#: 94277 - 08 Cust. #: 004B Material: 12" x 12" FT. Red Brick Pattern Location: Back Entry (Red) Appearance: Layer: 1 of 2	Asbestos Present: NOT ANALYZED	

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


 Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 08a Cust. #: 004B Material: Glue Location: Back Entry (Red) Appearance: yellow, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID#: 94277 - 09 Cust. #: 005A Material: Ext. Chimney Caulk/White Location: West Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Cluysotile - 5%	Other - 95%
Lab ID#: 94277 - 10 Cust. #: 005B Material: Ext. Chimney Caulk/White Location: West Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277-11 Cust. #: 006A Material: Old Wood Siding Caulk Location: West Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other- 98%
Lab ID#: 94277 - 12 Cust. #: 006B Material: Old Wood Siding Caulk Location: West Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID#: 94277-13 Cust. #: 007A Material: Window Frame Caulk/White Location: West Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other- 95%

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

Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277-14 Cust. #: 0078 Material: Window Frame Caulk/White Location: West Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID#: 94277 - 15 Cust. #: 008A Material: Linoleum Cream Stone Pattern Location: Kitchen/Bottom Layer Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 15%	Other- 95%
Lab ID#: 94277-16 Cust. #: 008B Material: Linoleum Cream Stone Pattern Location: Dining/Bottom Layer Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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


 Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 17 Cust. #: 009A Material: Linoleum Cream/Tan (Top Layer) Location: Kitchen Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 15%	Other- 85%
Lab ID#: 94277 - 18 Cust. #: 009B Material: Linoleum Cream/Tan (Top Layer) Location: Dining Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID#: 94277 - 19 Cust. #: 010A Material: Plaster Board Material Location: Back Entry Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other- 80%

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

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code I02118-0

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project : 5769 Nelson Dr., Newport, MI.
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 20 Cust. #: 010B Material: Plaster Board Material Location: Kitchen Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID#: 94277 - 21 Cust. #: 010C Material: Plaster Board Material Location: Living Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID#: 94277 - 22 Cust. #: 011A Material: Window Glazing Location: (Crawl) West Side Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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

Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 23 Cust. #: 0IIB Material: Window Glazing Location: (Crawl) West Side Appearance: white, nonfibrous, homogenous Layer: I of I	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID#: 94277 - 24 Cust. #: 012A Material: House Roof Shingles Black Location: Appearance: black, fibrous, homogenous Layer: I of I	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID#: 94277 - 25 Cust. #: 012B Material: House Roof Shingles Black Location: Appearance: black, fibrous, homogenous Layer: I of I	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 - Pmt763 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 $\leq 1\%$ 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. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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 Date Reported: 05/18/21

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 26 Cust. #: 013A Material: Ext. Siding Caulk To Overhang Soffel Location: Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID#: 94277 - 27 Cust. #: 013B Material: Ext. Siding Caulk To Overhang Soffet Location: Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other- 100%
Lab ID#: 94277 - 28 Cust. #: 014A Material: Shed Roof Shingles Black 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

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 29 Cust. #: 014B Material: Shed Roof Shingles Black Location: Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID#: 94277 - 30 Cust. #: 015A Material: Transite Exhaust Duct From Furnace Location: Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10% Crocidolite - 2%	Other - 88%
Lab ID#: 94277 - 31 Cust. #: 015B Material: Transite Exhaust Duct From Furnace Location: Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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



 Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID#: 94277 - 32 Cust. #: 016A Material: Transite Exhaust Fire Stop/rvlortar Location: Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID#: 94277 - 33 Cust. #: 017A Material: Drywall Ceiling Location: 2nd Floor @ Stair Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID#: 94277 - 34 Cust. #: 017B Material: Drywall Ceiling Location: 2nd Floor @ Stair Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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

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