ANALYTICAL TESTING & CONSULTING SERVICES, INC.

14625 Doster Road
Plainwell, Michigan 49080
Phone: 269-664-6474
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Email: Atcsinc@aol.com

ASBESTOS SURVEY REPORT FOR

Alex Ebestein
City of Three Rivers
1015 S. Lincoln Avenue
Three Rivers, Michigan 49093

AT

909 River Street
Three Rivers, Michigan 49093

SURVEY CONDUCTED

September 10th, 2015

BY

ANALYTICAL TESTING &
CONSULTING SERVICES, INC.

Lab #: 1756

ANALYTICAL TESTING & CONSULTING SERVICES, INC.

14625 Doster Road
Plainwell, Michigan 49080
(269) 664-6474
FAX: (269) 664-6406

September 25, 2015

Alex Ebestein
City of Three Rivers
1015 S. Lincoln Avenue
Three Rivers, Michigan 49093

Dear Mr. Ebestein,

Enclosed is the asbestos survey report conducted at 909 River Street in Three Rivers, Michigan. Jon Fischer (A6646) & Douglas Haase (A1370) of Analytical Testing conducted the inspection on September 10th, 2015. Analytical Testing was contracted by Alex Ebestein of the City of Three Rivers.

The following report details the locations and amounts of asbestos containing materials. All locations of suspect materials were identified as Presumed Asbestos Containing Materials (PACM) until sampling was conducted.

The scope of this study was to provide as complete and comprehensive of an evaluation as professionally practical. However, inherent constraints of time, observations, findings, results and conclusions are limited accordingly and to those apparent at the time. It should not be construed that actions taken as a result of this study will achieve complete compliance with every regulatory standard nor prevent every possible accident or loss. Nor should it be considered that any recommendations noted are the only possible actions to be taken. Management should assess and analyze each thought in relation to company resources, objectives and activities.

Analytical Testing conducts quantity estimates according to what is visible at the time of testing. Many materials are concealed within walls/ceilings and may be exposed during demolition/renovation activities. If this occurs, contractors should stop work and contact ATCS to conduct sampling of newly discovered materials.

This report should not be used as a restricted source of information for bid preparation or for notification to regulatory agencies. Contractors should verify quantity or amounts prior to bidding and/or submitting 10 days notifications.

The following is a summary to help understand the asbestos survey data form contained in this report.

Homogeneous Area (HA) Description - This form shows each homogeneous area discovered during the inspection of the site. This will provide a common reference point for the inspector and building owner when discussing a homogeneous area.

SM/TSI/MM - The locations are identified as SM-Surfacing Material; TSI-Thermal Systems Insulation; or MM-Miscellaneous Materials.

F/NF - These symbols indicate whether the suspect homogeneous area was composed of friable (F) or None-friable (NF) material.

Physical Condition - Each homogeneous area is judged on its physical condition as explained on the bottom of the form.

Size - Each homogeneous area is quantified in units as explained at the bottom of the form.

Sample Numbers - The sample number is listed to help identify the location and corresponding HA# for that sample.

Hazard Assessment Recommendations: Assessment Form - This portion of the form contains the hazard assessment of the suspect locations identified in the survey. The reason for the classifications is also located in this area of the form.

The homogenous areas that tested ***positive*** are identified in the following table:

HOMOGENEOUS AREA (HA) NAME	HA #	F / NF	CLASSIFICATION SM/TSI/MM	SIZE SF / LF / MF
No positive HA's at this time				

Key: **ND**= None Detected **F** = Friable **NF** = None-friable **SF** = Square Feet **LF** = Linear Feet **MF** = Mudded Fittings
SM = Surfacing Material **TSI** = Thermal Systems Insulation **MM** = Miscellaneous Material **TBD**=To Be Determined

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Please review the enclosed data and call if you have any questions.

Sincerely,

Douglas Haase
Director of Laboratory Services
Accreditation # A1370

ASBESTOS SURVEY SUMMARY

Building Name: Residential

Date: 09/10/15

Building #: 909 River Street in Three Rivers, Michigan 49093

HOMOGENEOUS AREA REPORT

HOMOGENEOUS AREA (HA) NAME	HA #	F / NF	K /A /N	CLASSIFICATION SM/TSI/MM	PHYSICAL CONDITION	SIZE SF / LF
Roofing Shingles & Tar Paper	A	NF	N	MM	4	~ 1,000 SF
Window Glazing	B	NF	N	MM	4	~ 4 SF
Plaster Throughout Home	C	F	N	SM	4	~ 1,700 SF
Drywall & Mud	D	F	N	MM	4	~ 100 SF

D-2 FORM

ASBESTOS SURVEY DATA FORM

LOCATION: Residential

LAB: 1756

ADDRESS: 909 River Street in Three Rivers, Michigan 49093

DATE: 09/10/15

HA#: A

HA DESCRIPTION: Roofing Shingles & Tar Paper

HA LOCATION	Type SM/TSI/MM	Friability F/NF	Physical Condition	Size SF/LF/MF
Roof	MM	NF	1	~ 1,000 SF
			TOTAL	**~ 1,000 SF**

Sample No.	Description and Location	Results (%)
1756-01	Sample of shingles taken from the roof of the porch	None Detected

***Note: All samples were collected in a statistically random manner representative of Homogeneous Area in accordance with 40 CFR 763.86.**

Location	Recommendations
HA-A	**Non asbestos**

Key: **F** = Friable **NF** = Non-friable **SF** = Square Feet **LF** = Linear Feet **MF** = Mudded Fittings
SM = Surfacing Material **TSI** = Thermal Systems Insulation **MM** = Miscellaneous Material

Condition: **1** = Good **2** = Potential for Damage **3** = Potential for Significant Damage **4** = Damaged **5** = Damaged + Potential for Damage
6 = Damaged + Potential for Significant Damage **7** = Significantly Damaged

ASBESTOS SURVEY DATA FORM

LOCATION: Residential

LAB: 1756

ADDRESS: 909 River Street in Three Rivers, Michigan 49093

DATE: 09/10/15

HA#: B

HA DESCRIPTION: Window Glazing

HA LOCATION	Type SM/TSI/MM	Friability F/NF	Physical Condition	Size SF/LF/MF
12 Windows	MM	F	4	~ 4 SF
			TOTAL	**~ 4 SF**

Sample No.	Description and Location	Results (%)
1756-02	Sample of glazing taken from the front living room window on the first floor	None Detected

***Note: All samples were collected in a statistically random manner representative of Homogeneous Area in accordance with 40 CFR 763.86.**

Location	Recommendations
HA-B	**Non asbestos**

Key: **F** = Friable **NF** = Non-friable **SF** = Square Feet **LF** = Linear Feet **MF** = Mudded Fittings
SM = Surfacing Material **TSI** = Thermal Systems Insulation **MM** = Miscellaneous Material

Condition: **1** = Good **2** = Potential for Damage **3** = Potential for Significant Damage **4** = Damaged **5** = Damaged + Potential for Damage
6 = Damaged + Potential for Significant Damage **7** = Significantly Damaged

ASBESTOS SURVEY DATA FORM

LOCATION: Residential

LAB: 1756

ADDRESS: 909 River Street in Three Rivers, Michigan 49093

DATE: 09/10/15

HA#: C

HA DESCRIPTION: Plaster Throughout Home

HA LOCATION	Type SM/TSI/MM	Friability F/NF	Physical Condition	Size SF/LF/MF
First Floor	SM	F	4	~ 200 SF
Second Floor	SM	F	4	~ 1,500 SF
			TOTAL	**~ 1,700 SF**

Sample No.	Description and Location	Results (%)
1756-03	Sample of plaster taken from the living room at top of wall at residue	None Detected
1756-04	Sample of plaster taken from the kitchen on side A wall at residue	None Detected
1756-05	Sample of plaster taken from the stairs in the bedroom, side C wall at baseboard	None Detected
*Note: All samples were collected in a statistically random manner representative of Homogeneous Area in accordance with 40 CFR 763.86.		

Location	Recommendations
HA-C	Non asbestos

Key: **F** = Friable **NF** = Non-friable **SF** = Square Feet **LF** = Linear Feet **MF** = Mudded Fittings
SM = Surfacing Material **TSI** = Thermal Systems Insulation **MM** = Miscellaneous Material

Condition: **1** = Good **2** = Potential for Damage **3** = Potential for Significant Damage **4** = Damaged **5** = Damaged + Potential for Damage
6 = Damaged + Potential for Significant Damage **7** = Significantly Damaged

ASBESTOS SURVEY DATA FORM

LOCATION: Residential

LAB: 1756

ADDRESS: 909 River Street in Three Rivers, Michigan 49093

DATE: 09/10/15

HA#: D

HA DESCRIPTION: Drywall & Mud

HA LOCATION	Type SM/TSI/MM	Friability F/NF	Physical Condition	Size SF/LF/MF
Rear Entry Wall	MM	NF	4	~ 100 SF
			TOTAL	**~ 100 SF**

Sample No.	Description and Location	Results (%)
1756-06	Sample of drywall taken from near the back door	None Detected

*Note: All samples were collected in a statistically random manner representative of Homogeneous Area in accordance with 40 CFR 763.86.

Location	Recommendations
HA-D	**Non asbestos**

Key: **F** = Friable **NF** = Non-friable **SF** = Square Feet **LF** = Linear Feet **MF** = Mudded Fittings
SM = Surfacing Material **TSI** = Thermal Systems Insulation **MM** = Miscellaneous Material

Condition: **1** = Good **2** = Potential for Damage **3** = Potential for Significant Damage **4** = Damaged **5** = Damaged + Potential for Damage
6 = Damaged + Potential for Significant Damage **7** = Significantly Damaged

Appendix Table of Contents

A) Sample Results

B) Chain of Custody

C) Site Location Map

D) ATCS Credentials

Appendix A

Sample Results

ANALYTICAL TESTING & CONSULTING SERVICES, INC.

14625 Doster Road
Plainwell, Michigan 49080
Phone: 269-664-6474
FAX: 269-664-6406

September 25, 2015

Alex Ebestein
City of Three Rivers
1015 S. Lincoln Avenue
Three Rivers, Michigan 49093

Dear Mr. Ebestein,

The bulk samples that were taken from Jon Fischer of ATCS on September 10th, 2015 from 909 River Street in Three Rivers, Michigan have been analyzed as requested and the results are compiled in the following table.

Lab #	Sample Description	Asbestos Identification	Non-Asbestos Fibrous Mat'l	Non-Fibrous Filler/Binder
1756-01 Layer 1	Black fiber and filler with black aggregate	None Detected	25% Fibrous Glass	Mixed Minerals Organic Tar
1756-01 Layer 2	Black fiber and filler with white aggregate	None Detected	25% Fibrous Glass	Mixed Minerals Organic Tar
1756-01 Layer 3	Black fiber and filler	None Detected	75% Cellulose <5% Synthetic	Mixed Minerals Organic Tar
1756-02	White solid	None Detected	<5% Cellulose	Mixed Minerals
1756-03	Multicolored mixed minerals and fibers	None Detected	<1% Cellulose 3% Horse Hair	Mixed Minerals
1756-04	Multicolored mixed minerals and fibers	None Detected	<1% Cellulose 3% Horse Hair	Mixed Minerals
1756-05	Multicolored mixed minerals and fibers	None Detected	<1% Cellulose 3% Horse Hair	Mixed Minerals
1756-06	Brown fiber sheet with white solid	None Detected	20% Cellulose	Mixed Minerals Gypsum

Percentage results are estimates only.
Test results related to items tested only.
Samples are held thirty (30) days.
**Client ID#*
ND – None Detected Less than 1%

Analysis performed using polarized light microscopy with dispersion staining according to U.S.E.P.A. procedures.

Douglas A. Haase,
Director of Laboratory Services

Appendix B

Chain of Custody

CHAIN OF CUSTODY RECORD

ANALYTICAL TESTING & CONSULTING SERVICES, INC. 14625 DOSTER ROAD PLAINWELL, MI 49080 PH: 269-664-6474
FAX: 269-664-6406

BILLED TO	PROJECT INFORMATION
Name: Analytical Testing & Consulting Services, Inc.	Project Name: Three Rivers
Address: 14625 Doster Rd.	Project Location: 909 River St
City: Plainwell	Project No.: 1756
State: MI 49080	Project Contact: D. Hauke
Phone No: 269/ 664-6474	Phone/Fax No.:
Fax No.: 269/ 664-6406	Date Sampled: 9/10/15
Sampled by: Doug Hauke	Samples Preserved: ☐ Yes ☐ No
	Received Cold: ☐ Yes ☐ No

ANALYSIS REQUIRED			DISPOSAL
ASB			COMMENTS/ SOCIAL SECURITY#

Sample #	Description	Time On	Time Off	Total Time	Start Flow	Stop Flow	Avg. Flow				
01-06	Asbestos Sample							Y			

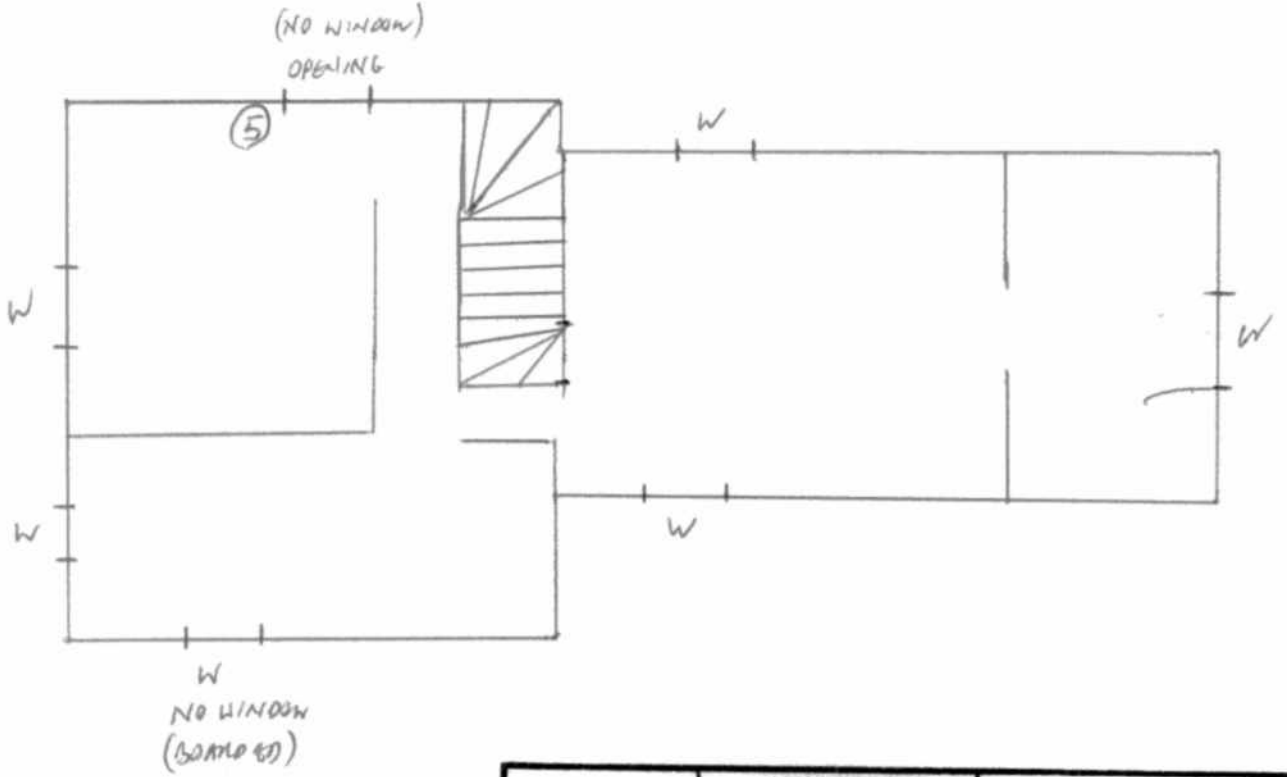
* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Samples Relinquished by:	Date:	Time:	Accepted by:	Date:	Time:

Special Instructions:

Appendix C

Site Location Map



TOLERANCES	REVISIONS			2ND FLOOR		
EXCEPT AS NOTED	NO	DATE	BY			
DECIMAL ±	1			909 RIVER ST		
FRACTIONAL ±	2					
ANGULAR ±	3			DRAWN BY JF	SCALE 1/4"	MATERIAL
	4			CHECKED	DATE 9/10/15	DRAWING NO 1756
	5			TRACED	APPROVED	

Appendix D

ATCS Credentials

EPA AHERA/ Michigan Department of Licensing and Regulatory Affairs approved in compliance with the training requirements as mandated by TSCA TITLE II, 40 CFR 763, NESHAPS 40 CFR 61.145 (c)(8) and Michigan Public Act 440 of 1988.

Certificate of Award

This is to Certify that

Douglas Haase (XXX-XX-0984)

has been awarded this Certificate for the completion of the
4 HOUR ASBESTOS INSPECTOR REFRESHER TRAINING COURSE

Certificate #: 15-347

Date of Course: August 17th, 2015
Expiration Date: August 17th, 2016

Course Instructor, Douglas A. Haase

ANALYTICAL TESTING & CONSULTING SERVICES, INC.
14625 Doster Road in Plainwell, Michigan 49080
(269) 664-6474

EPA AHERA/ Michigan Department of Licensing and Regulatory Affairs approved in compliance with the training requirements as mandated by TSCA TITLE II, 40 CFR 763, NESHAPS 40 CFR 61.145 (c)(8) and Michigan Public Act 440 of 1988.

Certificate of Award

This is to Certify that

Jon Fischer (XXX-XX-0875)

has been awarded this Certificate for the completion of the
4 HOUR ASBESTOS INSPECTOR REFRESHER TRAINING COURSE

Certificate #: 15-348

Date of Course: August 17th, 2015
Expiration Date: August 17th, 2016

Course Instructor, Douglas A. Haase

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